

1. Which of the following, according to the author, is/are a result(s) of increased population in India ?

1. Pollution
2. Poverty
3. Unemployment

- (A) Only 1
(B) Only 1 and 2
(C) Only 2
(D) Only 1 and 3
(E) All 1, 2 and 3

2. Why, according to the author, has the Indian Government allotted more funds to strengthen the military forces ?

- (A) To improve security in order to counter increasing terrorism
(B) As the security in India over the past ten years was grossly inadequate
(C) As the U.S. too has strengthened its military forces after the 9/11 attack
(D) As the industry is developed enough and is not in need of any more funds
(E) None of these

3. What is the author's main objective in writing this passage ?

- (A) To exhort the Government to garner support from its neighbouring countries
(B) To suggest to the Government to follow China's example blindly thereby bringing about rapid development
(C) To highlight the plight of the poor
(D) To discuss the problems of child labour and suggest suitable remedies
(E) To bring forth the problems associated with India's development and to suggest measures to counter them

4. Why, according to the author, is India one of the favourite destinations for investment by outsourcing companies ?

1. Shorter response time for clients.
2. Better technical skills.
3. Availability of cheap labour.

- (A) Only 1
(B) All 1, 2 and 3
(C) Only 2 and 3

(D) Only 1 and 2

(E) Only 1

5. Which of the following is/are true in the context of the passage ?

1. India leads the way in the amount invested in the development of infrastructure.

2. Political system in India is not influenced by poverty.

3. Indian population would increase by approximately 50 per cent in the next twenty five years.

(A) Only 1 and 2

(B) Only 2

(C) Only 3

(D) Only 2 and 3

(E) All 1, 2 and 3

6. Which of the following is/are the facility(ies) available to MNCs investing in India ?

1. Easy availability of land.

2. Better infrastructure than China.

3. Tax Concessions.

(A) Only 3

(B) All 1, 2 and 3

(C) Only 1 and 2

(D) Only 1 and 3

(E) None of these

7. Which of the following, according to the author, is a result of poverty in India ?

(A) Lack of a robust security system

(B) Child labour and the resulting dearth of educated youth

(C) Floods, famines and other calamities

(D) Rapid increase in population

(E) None of these

8. How, according to the author, can the effects of floods, famines, droughts, etc. be minimized ?

(A) By limiting pollution thereby reducing the chances of such events taking

place

- (B) By educating the children about the ill effects of such calamities who in turn will help during the time of need
- (C) By following the U.S. system of providing relief to its citizens
- (D) By allotting proper funds for research which can predict the outcome of such calamities and thus design relief measures
- (E) None of these

Directions—(Q. 9–12) Choose the word/group of words which is most similar in meaning to the word/group of words printed in bold as used in the passage.

9. SURVEILLANCE

- (A) Spying
- (B) Cameras
- (C) Security
- (D) Observation
- (E) Alertness

10. PREREQUISITE

- (A) Result
- (B) Association
- (C) Necessity
- (D) Factor
- (E) Mystery

11. PROSPECTS

- (A) Assimilation
- (B) Demand
- (C) Future
- (D) Brochure
- (E) Diagnosis

12. COMMENSURATE

- (A) Match
- (B) Extracting
- (C) Contemplating
- (D) Request

(E) Employing

Directions—(Q. 13–15) Choose the word/group of words which is most opposite in meaning to the word/group of words printed in bold as used in the passage ?

13. LIMITED

- (A) Abundant
- (B) Complete
- (C) Flowing
- (D) Inadequate
- (E) Encompassing

14. DIFFERENTIAL

- (A) Solitude
- (B) Homogeneous
- (C) Synonymous
- (D) Unique
- (E) Different

15. VIGOROUSLY

- (A) Simply
- (B) Regularly
- (C) Roughly
- (D) Softly
- (E) Leniently

Directions—(Q. 16–20) Which of the phrases (A), (B), (C) and (D) given below should replace the phrase given in bold in the following sentence to make it meaningful and grammatically correct. If the sentence is correct as it is and no correction is required, mark (E) as the answer.

16. Banks charge differently rate of interest depending on the size of the loan.

- (A) Difference in rate of interests
- (B) Differently what rate of interest
- (C) Different rates of interest
- (D) The different rate of interest
- (E) No correction required

17. It is necessary that we take any steps to reduce pollution soon.

- (A) We should take every
- (B) We have taken no
- (C) Us to take any
- (D) We take some
- (E) No correction requireds

18. It is too early to say how the impact the new tax will have on investors.

- (A) What impact
- (B) That the impact
- (C) How much impacts
- (D) What are the impacts of
- (E) No correction required

19. Kindly ask his advice regarding the various health insurance policies presently available.

- (A) Him to advise that
- (B) Regarding his advise
- (C) That he should advice
- (D) About his advice
- (E) No correction required

20. Unfortunately many of our towns and cities do have more good transportation Systems.

- (A) Have a good
- (B) Not have good
- (C) Not have much good
- (D) Not having better
- (E) No correction required

Directions—(Q. 21–25) Rearrange the following six sentences (1), (2), (3), (4), (5) and (6) in the proper sequence to form a meaningful paragraph; then answer the questions given below—

- (1) With all the bid information being available and tracked online, corruption has considerably reduced.
- (2) Today, most i.e. over ninety-five per cent households, in the city enjoy

Broad Band connection.

(3) All city contracts are now bid for online.

(4) Over twenty years ago the city government, central government and the private Sector made a concerted effort to shift the economy to include IT

(5) As our cities expand and become more complex, such a system will make Governance more manageable.

(6) This level of connectedness has changed not only the city's economy but also how it is governed and how business is conducted.

21. Which of the following should be the FIRST sentence after rearrangement ?

- (A) 1
- (B) 2
- (C) 3
- (D) 4
- (E) 5

22. Which of the following should be the SECOND sentence after rearrangement ?

- (A) 1
- (B) 2
- (C) 3
- (D) 4
- (E) 6

23. Which of the following should be the THIRD sentence after rearrangement ?

- (A) 1
- (B) 3
- (C) 4
- (D) 5
- (E) 6

24. Which of the following should be the FIFTH sentence after rearrangement ?

- (A) 1
- (B) 2
- (C) 3
- (D) 4
- (E) 5

25. Which of the following should be the LAST (SIXTH) sentence after rearrangement ?

- (A) 2
- (B) 3
- (C) 4
- (D) 5
- (E) 6

Directions—(Q. 26–35) Read each sentence to find out whether there is any grammatical error or idiomatic error in it. The letter of that part is the answer. If there is no error, the answer is (E). (Ignore errors of punctuations, if any)

26. Some genuine issues exist (A) / with the newly adopted (B) / system and needs to (C) / be examined seriously. (D) No error (E)

27. Whether or not to confront (A) / them about their role (B) / in the matter is a decision (C) / which is yet to take. (D) No error (E)

28. The government is still in the (A) / process of finalized new policy (B) / guidelines for the allocation of land (C) / to private sector organizations. (D) No error (E)

29. According to government estimates (A) / at least four millions tonnes of sugar (B) / will have to be imported (C) / this year because of a poor monsoon. (D) No error (E)

30. In our experience people usually (A) /value things that they have to (B) / pay off more than those that (C) / they receive free of cost. (D) No error (E)

31. At present China is the (A) / world's leader manufacture (B) / of environment friendly products (C) / such as electric cars and bicycles. (D) No error (E)

32. Over eighty per cent from us (A) / feel that if we had taken (B) / some corrective measures earlier (C) / the crisis could have been averted. (D) No error (E)

33. The manager of that city branch (A) /cannot handle it with the help of (B) /only two personnel as (C) / business has increased substantially. (D) No error (E)

34. With the literacy rates in this (A) /region as low as ten per cent (B) /we need to encourage (C) / local people to build schools. (D) No error (E)

35. While providing such facilities (A) /online makes it convenient (B) / and easily accessible for customers (C) / we face several challenges. (D) No error (E)

Directions—(Q. 36–40) In each question below a sentence with four words printed in bold type is given. These are lettered as (A), (B), (C) and (D). One of these four words printed in bold may be Either wrongly spelt or inappropriate in the context of the sentence. Find out the word which is wrongly spelt or inappropriate if any. The letter of that word is your answer. If all the words printed in bold are correctly spelt and also appropriate in the context of the sentence, mark (E) i.e. 'All correct' as your answer.

36. The bank's fluctuating (A) performance over the prior (B) year has been a major (C) cause (D) for concern. All correct (E)

37. An economy relies (A) on its access (B) to dependable (C) and affordable (D) sources of energy. All correct (E)

38. Researches have used data prevalent (A) to manufacturing companies to illustrate (B) the harmful (C) impacts (D) of technology on the environment. All correct (E)

39. Such a situation (A) is neither feasible (B) nor desirable (C) in a democratic country like ours. (D) All correct (E)

40. The gradual (A) withdrawal (B) of such safety (C) mechanisms (D) will affect small and medium industries the most. All correct (E)

Directions—(Q. 41–50) In the following passage there are blanks, each of which

has been numbered. These numbers are printed below the passage and against each, five words are suggested, one of which fits the blank appropriately. Find out the appropriate word in each case.

The world's climate has always changed and species have evolved accordingly to survive it. The surprising fact about the ...(41)... between evolution and global warming ...(42)... that it is not linear. ...(43)... temperatures alone are not ...(44)... of evolution. Evolution is also the ...(45)... of seasonal changes. As the environment ...(46)... those species which don't adapt ...(47)... to exist.

But the sheer ...(48)... of manmade climate change today is ...(49).... 'Bad things are happening' and by one ...(50)... global warming could threaten upto one-third of the world's species if left unchecked. In fact a lot of the species which will be able to survive are the ones we consider pests like insects and weeds.

41. (A) difference

(B) similarity

(C) argument

(D) relationship

(E) alliance

42. (A) being

(B) seems

(C) mainly

(D) besides

(E) is

43. (A) however

(B) mounted

(C) rising

(D) elevating

(E) inclining

44. (A) means

(B) triggers

(C) responses

(D) threats

(E) stimulus

45. (A) results

(B) precursor

(C) resistance

(D) cause

(E) provocation

46. (A) conserves

(B) stifles

(C) predicts

(D) changes

(E) emerges

47. (A) continue

(B) halt

(C) cease

(D) terminate

(E) discontinue

48. (A) luck

(B) value

(C) collapse

(D) pace

(E) attention

49. (A) threatened

(B) pursued

(C) unprecedented

(D) record

(E) debated

50. (A) forecast

(B) chance

(C) pattern

(D) occasion

(E) imagination

Answers :

1. (E) 2. (A) 3. (E) 4. (B) 5. (C) 6. (D) 7. (D) 8. (D) 9. (D) 10. (D)

11. (C) 12. (A) 13. (A) 14. (C) 15. (E) 16. (C) 17. (D) 18. (A) 19. (E) 20. (B)

21. (B) 22. (C) 23. (A) 24. (D) 25. (E) 26. (C) 27. (D) 28. (B) 29. (B) 30. (C)

31. (B) 32. (A) 33. (C) 34. (A) 35. (C) 36. (B) 37. (E) 38. (A) 39. (E) 40. (D)

41. (A) 42. (E) 43. (C) 44. (A) 45. (D) 46. (D) 47. (C) 48. (D) 49. (C) 50. (B)

Q. Why does a piece of iron get rusted if left exposed in the open ?

Ans. Iron piece rusts if left exposed in the open because it reacts with the oxygen in the air, forming iron oxide—a compound of Iron and oxygen.

Q. Why can petrol fire not be put out with water ?

Ans. Petrol is a hydro carbon which remains isolated with water and is having less density. So when water is poured petrol floats on it and keeps on burning. The temperature of the burning petrol is so high that the water poured on the petrol fire is evaporated before it extinguishes the fire.

Q. Ice packed in saw dust does not melt quickly. Why ?

Ans. Saw dust is a bad conductor of heat and protects the ice from the external heat and hence from melting away quickly.

Q. White light passing through a glass prism gives rise to a coloured pattern on the wall. Why ?

Ans. White light is made up of seven colours. Rays of different colours refract or bend along different paths and fall on different points on the wall forming a coloured pattern known as spectrum.

Q. A boatman pushes the bank with his pole. Why ?

Ans. Action and reaction being equal and opposite, the bank will push the boat away from it.

Q. A burning candle gets extinguished when covered with a tumbler. Why ?

Ans. A burning candle gets extinguished when covered with a tumbler because the supply of oxygen is cut-off and the flame goes out.

Q. Why do you see rainbow after rain ?

Ans. The water drops suspended in the atmosphere act as prism and disperse light into seven colours.

Q. A metal tea-pot has an ebony handle. Why ?

Ans. Ebony being bad conductor of heat, the handle does not get hot.

Q. Why is one's breath visible in winter, but not in summer ?

Ans. In winter the water vapour contained in the breath condenses into small droplets of water, which become visible. In summer it is not so.

Q. The weight of a man on the surface of the moon will be only about one-sixth of his weight on the earth. Why ?

Ans. The gravity of the moon is one-sixth that of the earth, hence the weight of a person on the surface of the moon will be one-sixth of his weight on the earth.

Q. Why is it easier to roll a barrel than to pull it along the road ?

Ans. Slipping resistance is much more than rolling resistance.

Q. Why is the flash of lightning seen before the sound of thunder is heard ?

Ans. Because light travels faster than sound.

Q. How does a soda water straw work ?

Ans. When we suck through a soda water straw, low pressure is created inside the straw. The liquid outside rushes into balance the difference.

Q. Small space is left between each set of two rails of a railway line.

Ans. Iron expands when it gets hot. A small space is left between the ends of the rails in order to allow the expansion of rails due to heat.

Q. How does bulb emit light ?

Ans. The current passes through a wire of high resistance which becomes red hot, and emits light.

Q. What is an electric fuse ? What purpose does it serve ?

Ans. A thin wire used in maintaining the condition of the energy; it prevents overloading of energy.

Q. How does a thermos flask keep a hot liquid hot and cold liquid cold ?

Ans. It is a double-walled vessel in which the inner surface of the outer vessel and the outer surface of the inner vessel are silvered so as to prevent radiation of heat. The space between the walls of the two vessels is made of vacuum to prevent the escape of heat by conduction or convection.

Q. A parachute enables a person to descend in safety in case of an accident to

aircraft ?

Ans. A man falls to the earth because of the gravitational pull of the earth.

The parachute offers considerable resistance to that gravity, thereby slowing down the speed of the descending man. The parachute thus enables a person to descend in safety.

Q. A person in a moving vehicle is thrown forward when the vehicle stops suddenly. Why ?

Ans. When a moving vehicle stops suddenly, a passenger will tend to fall forward because the lower part of his body in contact with the seat comes to stop suddenly but the upper part of his body is still in motion sharing the movement of the train. So on account of inertia, the passenger falls forward.

Q. A plane approaching at a speed of 1000 m.p.h. is not heard. Why ?

Ans. Sound travels at a speed of 760 m.p.h., hence a plane approaching at a speed of 1000 m.p.h. cannot be heard.

Q. Why does an electric bulb make a bang when it is broken ?

Ans. An electric bulb has a partial vacuum. When it is broken, air rushes into take the place of the vacuum, hence it bangs.

Q. Why does a ship made of steel float though a steel ball sinks ?

Ans. The ship displaces more water than its own weight whereas the weight of the water displaced by a steel ball is much less than the weight of the steel ball.

Q. Why do the stars twinkle ?

Ans. The stars seem to twinkle due to two causes. First the light from the stars passes through several mediums; secondly our vision has a tendency to distract.

Q. Why is it easier to swim in a sea than in a river ?

Ans. The density of the sea water is higher than the density of the river water.

Q. Why is hot soup more tasty than the colder one ?

Ans. As temperature is increased, surface tension decreases and the liquid now occupies more area. Thus the hot soup occupies more area on the tongue and is, therefore, more tasty than the colder one.

Q. Thick glass tumblers often crack when very hot liquids are poured into them.

Why ?

Ans. The inner layer tends to expand more rapidly than the outer layer thus producing phenomenon of unequal expansion resulting in cracks due to the resulting pressure.

Q. Why does water get cooled in an earthen pitcher ?

Ans. Pitchers have pores through which water percolates which evaporates. During evaporation heat is taken away and the water gets cooled.

Q. Why does the sky and the water of the ocean look blue ?

Ans. The blue part of the sunlight is scattered by the particles of the atmosphere around, while other parts of light pass through it : that is why the sky looks blue because of the refraction of the blue light only.

Q. Which will reach the ground first : a bullet which is shot horizontally from a gun or similar bullet thrown upward from the ground ?

Ans. Obviously horizontally shot bullet is to come down first. Its direction is perpendicular to that of gravitational force. So both vector will not affect each other but in the case of a bullet shot upward has velocity vector in the opposite direction of gravitation force. So it will take more time.

Q. Why does an iron gain weight on rusting ?

Ans. The rusted iron is nothing but iron-oxide. Iron in the presence of moisture absorbs oxygen from the atmosphere and forms iron oxide. The weight gained is equal to the weight of oxygen absorbed.

Q. Why does hard water not readily form lather with soap ?

Ans. Hard water contains the sulphates and chlorides of magnesium and calcium, which form insoluble compounds with soap. Hence soap does not lather with hard water.

Q. Why are mountains cooler than plains ?

Ans. It is so because, firstly, the air on the mountains is rare than that on the plains and absorbs less heat than the air on the plains, secondly the heat absorbed during the day on the mountains radiates away more quickly due to the rarity of the air, thirdly, major portion of the mountains remains in shade.

Q. Why is sea-water saline ?

Ans. The rivers in the course of their flow and falling into the sea bring with them deposits of salt and this process has been going on for lakhs of years, it makes sea-water saline.

Q. Glass when heated cracks while metal does not.

Ans. Glass being bad conductor of heat only that part is heated which comes into contact with heat while the other parts remain unaffected. This results in unequal expansion and hence the tension which cracks the glass. On the other hand, metal is a good conductor of heat and so all its bulk gets uniformly heated and hence no surface tension.

Q. Why does it not hurt when we cut our nails ?

Ans. Nails are the parts of the body which are not connected either with the blood vessels or cartilage and hence having no relation with the nervous system. Therefore cutting them does not give pain.

Q. A hydrogen balloon rises. Why ?

Ans. Hydrogen is lighter than air, the weight of the hydrogen balloon is less than the weight of the air displaced by it.

Q. Why is a compass used as an indicator of direction ?

Ans. The magnetic needle of the compass due to the influence of the earth's magnetic field always lies in the north south direction. Hence we can know the direction.

Q. Why is a country like Ladakh, it may be very hot in sunshine, but bitterly cold in shade ?

Ans. The atmosphere on great heights like Ladakh is rarefied, which offers little obstacle to the rays of the sun which are therefore, scorching. But the rarefied air absorbs little heat from the rays of the sun, therefore, the atmosphere remains cold. Hence it is very cold in the shade.

Q. Why does a straight stick look bent when a part of it is immersed in water ?

Ans. The rays of the light passing from a rare medium to a dense medium change their course due to refraction, where the rays coming from stick in water come

in air at surface they get displaced away from perpendicular as our eyes see straight way so the stick seems bent.

Q. Why does water boil at a lower temperature on the hills than on the plains ?

Ans. The higher the pressure, the higher boiling point : the lower the pressure the lower the boiling point. The atmospheric pressure on the hills is lower than that on the earth.

Q. Why does a rider feel a tendency to fall when the horse starts running or stops suddenly ?

Ans. This is caused by inertia. When the horse starts running, the rider, being at rest, falls back. When a running horse stops suddenly, the rider being in motion has a tendency to fall ahead.

Q. Why does a person carrying a bucket full of water in his right hand bend towards the left ?

Ans. He bends towards his left so that the centre of gravity falls within the base. This enables him to keep up balance, otherwise he may fall.

Q. Why does tea cool more rapidly in a saucer than in a cup ?

Ans. In a saucer evaporation takes place more rapidly than in a cup. Cooling is caused by evaporation.

Q. Ice packed in sawdust does not melt quickly. Why ?

Ans. Ice packed in sawdust does not melt quickly, because sawdust being bad conductor, it cuts the heat rays.

Q. Why do you heat a metal rim before fitting it to a wheel ?

Ans. By heating, the rim expands and fits easily over a slightly bigger radius than that of the rim. On being cooled it contracts and has a firm grip on the wheel.

Q. Why do wet clothes dry slowly on a rainy day ?

Ans. On a rainy day the atmosphere air contains more water vapour than on a dry day and hence evaporation is slower.

Q. Why does a substance thrown up come to the ground ?

Ans. Because of the gravitational force of the earth.

Q. Why does moisture gather outside of a glass of cold water on a warm day ?

Ans. The temperature of the outer surface of glass of cold water is lower than that of its surroundings. The vapour in the surrounding atmosphere gets condensed on the outer surface of the water and appears in the form of tiny particles of water.

Q. Why are we advised to empty the ink from our fountain pen before going up on aeroplanes ?

Ans. As we go up higher and higher the air becomes rare and atmospheric pressure lower, so that the volume of the air inside the fountain pen will also increase and the ink will be pushed out thus spoiling the clothes and hence the advice.

Q. What happens to iron when it rusts ?

Ans. It reacts with the oxygen of the air and forms iron-oxide which is the rust.

Q. How would you distinguish between welding and soldering ?

Ans. Welding is the joining of metals by raising the temperature of the metals to fuse them together by melting their ends. Soldering is the joining of metals with the help of an alloy called solder.

Q. How does a ball which falls down, bounce up ?

Ans. It is due to the operation of Newton's Third Law of motion. To every action there is equal and opposite reaction. A ball falling to the ground is slightly deformed. Due to the elastic force of the material of which the ball is made, the ball tries to recover its original shape. In doing so it forces the ground which pushes the ball upward due to reaction and the ball bounces up.

Q. An iron nail floats on mercury but sinks in water. Give reasons.

Ans. The specific density of iron is lower than that of mercury, hence it floats on mercury, while it is higher than that of water, hence it sinks in water.

Q. How do you convert Centigrade in to Fahrenheit ?

Ans. With the help of the following formula—

$$C/100 = F - 32/180$$

Q. It is advisable to work electric appliances when they are earthed suitably.

Why ?

Ans. In case of short-circuiting, the current passes to the earth without harming the user, if an electrical appliance is properly earthed.

Q. How does a refrigerator keep food fresh ?

Ans. Food is kept fresh so long as fermentation does not set in; refrigerator prevents fermentation by providing low temperature.

Q. Ice wrapped in a blanket does not melt away quickly.

Ans. Blanket being a bad conductor of heat prevents the outside heat from creeping inside.

Q. Why can a petrol fire not be extinguished by throwing water on it?

Ans. The heat of the petrol fire is so intense that the water thrown on it gets evaporated and decomposed. Hence it is not effective in extinguishing the petrol fire.

Q. A train stops when the chain is pulled. Why ?

Ans. When the chain is pulled, one small valve gets opened and air/atmospheric pressure is admitted to the under side of the piston head of the brake cylinder through pipe connections. Initially there is vacuum on both top and bottom side of the piston head. When the air/atmospheric pressure enters the under side of the piston head, the piston raises up due to difference of pressure and pulls the brake rigging to which it is connected with links and levers. Thus the brakes are applied and the train stops.

1. Though there is hourly bus service on this route (A) / a number of people are still suffering (B) / as there is no bus shelter here. (C) No error. (D)

2. The boss took strict measures (A) / with a view to ensuring punctuality (B) / on the part of his subordinates. (C) No error. (D)

3. People prefer to be identified (A) /by their caste community or religion first (B) / rather to be known as Indians first. (C) No error. (D)

4. Mrs. Dorai would rather (A) / spend a quiet evening (B) / than attending a party. (C) No error. (D)

5. Being idle sometimes is agreeable (A) / but being idle all the times (B) / might become monotonous. (C) No error. (D)

Directions—(Q. 6–10) Choose the word opposite in meaning to the given word and mark it in the Answer sheet.

6. HERETICAL—

- (A) Contradictory
- (B) Doubtful
- (C) Impious
- (D) Orthodox

7. PHILISTINE—

- (A) Cultured
- (B) Libertine
- (C) Sober
- (D) Educated

8. LACERATION—

- (A) Convalescence
- (B) Recouperation
- (C) Healing
- (D) Palpitation

9. IMPLICATE—

- (A) Disentangle
- (B) Impersonate
- (C) Complicate
- (D) Impose

10. INGEST—

- (A) Disrupt
- (B) Disgorge

(C) Dismiss

(D) Display

Directions—(Q. 11–15) Groups of four words are given. In each group, one word is correctly spelt. Find the correctly spelt word and mark your answer in the Answer sheet.

11. (A) Clientele

(B) Clientale

(C) Cleintele

(D) Clientelle

12. (A) Punctileous

(B) Punctilious

(C) Punctillious

(D) Punctileus

13. (A) Haemorrhage

(B) Hemorrhage

(C) Hemmorage

(D) Haemorrhage

14. (A) Fascimile

(B) Facsimele

(C) Facsimile

(D) Facksimile

15. (A) Hoseire

(B) Hosier

(C) Hosair

(D) Hasier

Directions—(Q. 16–20) Four alternatives are given for the idiom/ phrase printed bold in the sentence. Choose the alternative which best expresses the meaning of the idiom/ phrase and mark it in the Answer sheet.

16. We know that he is the one responsible for the discord but as he is

well-connected all we can do is send him to Coventry.

- (A) transfer him
- (B) commend him
- (C) boycott him
- (D) dismiss him

17. A Prime Minister cannot ride rough shod over his ministerial colleagues for long.

- (A) deal unkindly with
- (B) take for granted
- (C) be hamhanded with
- (D) exploit wilfully

18. The say, join the Army to drink life to the lees.

- (A) to have the best of fun and fortune
- (B) to enjoy a life of drinking and dancing
- (C) to have a life full of adventures
- (D) to have the best of life

19. He was down in the mouth as he was defeated in the elections.

- (A) unable to speak
- (B) very depressed
- (C) very angry
- (D) very confused

20. The noble man gave up the ghost.

- (A) left the ghost
- (B) lived like a ghost
- (C) invited ghost
- (D) died

Directions—(Q. 21–25) Out of the four alternatives, choose the one which can be substituted for the given words/sentence and indicate it by blackening the appropriate rectangle [■] in the Answer sheet.

21. The time between midnight and noon—

- (A) Afternoon

- (B) Antipodes
- (C) Ante-meridiem
- (D) Antenatal

22. One who is a dabbler in arts, science or literature—

- (A) Dilettante
- (B) Aesthete
- (C) Maestro
- (D) Connoisseur

23. Fear of height—

- (A) Agoraphobia
- (B) Hydrophobia
- (C) Acrophobia
- (D) Pyrophobia

24. Still existing and known—

- (A) Extent
- (B) Extant
- (C) Eternal
- (D) Immanent

25. A remedy for all ills—

- (A) Narcotic
- (B) Panacea
- (C) Medicine
- (D) Quack

Directions—(Q. 26–30) The 1st and the last sentences of the passage are numbered 1 and 6. The rest of the passage is split into four parts and named P, Q, R and S. These four parts are not given in their proper order. Read the sentence and find out which of the four combinations is correct. Then find the correct answer and indicate it in the Answer sheet.

26. 1. There are some places that experience heavy rains throughout the year.
P. So, the local administration should take steps to provide a proper drainage system to clear the stagnant water.

Q. If water stagnates on the road sides, it leads to the spread of infectious diseases.

R. Additionally, measures should be taken to spray disinfectants.

S. In such places, people adapt themselves to moist weather.

6. By taking such steps, spread of diseases can be checked.

(A) QPSR

(B) SQPR

(C) RSQP

(D) PQSR

27. 1. Addiction to alcoholic drinks affects the social life of the people.

P. Gradually drinking becomes a habit.

Q. The person becomes an addict.

R. When once it becomes a habit, it is difficult to give up.

S. A person begins to drink just for the fun of it.

6. If he doesn't have his bottle of drink, he becomes restless.

(A) SPRQ

(B) SRQP

(C) QRPS

(D) QPRS

28. 1. Braille lost his eyesight accidentally as a child.

P. In his days, the few books that were available for blind people were printed in big, raised type.

Q. After that he became a teacher.

R. The letters used were those of the ordinary alphabet.

S. Nevertheless, he was able to complete his education at a school for the blind in Paris.

6. Braille's idea was to use raised dots instead of raised letters.

(A) PQRS

(B) SQPR

(C) SRPQ

(D) QPRS

29. 1. What are the strategies to strengthen reading habits among early literates, school dropouts and even adults ?

P. Normally, subtitles for a film, say in Hindi, will be in some other language,

say, English.

Q. According to a research survey, SLS “doubles and even triples the role of reading improvement that children may be achieving through formal education.”

R. But SLS harps on the argument that since the film viewers are familiar with the script, they can read the

words in their favourite dialogues and films.

S. One of the novel and effective strategies is Same Language Subtitles (SLS), which was introduced in Ahmedabad in 1996.

6. Since, a huge number of children and adults watch TV for entertainment even in the rural areas of India, why not use this resource to get an educational benefit out of it ?

(A) PQSR

(B) PRQS

(C) SPRQ

(D) SQRP

30. 1. Disappointment doesn't equal failure.

P. When you feel disappointed, you can either seek comfort or seek a solution.

Q. First, step back, stop what you're doing, and try to obtain some comfort-but don't get trapped into staying comfortable.

R. The best approach includes some of both.

S. Seen in a positive light, it can stimulate learning and growth.

6. Having licked your wounds, prepare for another effort based on a new solution to the problem.

(A) SRQP

(B) RSPQ

(C) SPRQ

(D) PRSQ

Directions—(Q. 31–35) A sentence has been given in Active Voice/Passive Voice.

Out of the four alternatives suggested, select the one which best expresses the same sentence in Passive/Active Voice and mark your answer in the Answer sheet.

31. Who will have broken the Gramophone record ?

(A) By whom the Gramophone record has been broken ?

(B) By whom have the Gramophone record been broken ?

(C) By whom will have the Gramophone record been broken ?

(D) By whom has the Gramophone record been broken ?

32. People once believed that the sun was a God—

- (A) The sun is once being believed to be a God
- (B) The sun has once been believed to be a God
- (C) It was once believed that the sun was a God
- (D) It is once believed that the sun is a God

33. Can we send this parcel by air mail ?

- (A) By air mail, can this parcel be sent ?
- (B) Can this parcel be send by air mail ?
- (C) Can this parcel be sent by air mail ?
- (D) Can by air mail, this parcel be sent ?

34. People ought not to speak about such things in public—

- (A) Such things ought to be not spoken about in public by people
- (B) Such things ought not to be spoken about in public
- (C) Such things ought to be spoken about not in public
- (D) Let such things not be spoken about in public by people

35. I shall be complimented by all when I win the game—

- (A) Everyone will compliment me when the game is won by me
- (B) All shall compliment me when I win the game
- (C) All are complimenting me when the game is won
- (D) All will have complimented me when I win the game

Directions—(Q. 36–40) You have one brief passage with 5 questions. Read the passage carefully and choose the best answer to each question out of the four alternatives and mark it by blackening the appropriate rectangle [■] in the Answer sheet.

Passage :

A rat's thick, furry body brushed his cheek, its whiskered nose sniffing at his mouth. Quivering with revulsion, Kunta snapped his teeth together desperately and the rat ran away. In rage, Kunta snatched and kicked against the shackles that bound his wrists and ankles. Instantly, angry exclamations and jerking came back from whomever he was shackled to. The shock and pain adding to his fury, Kunta lunged upward, his head bumping hard against wood-right on the spot where

he had been clubbed by the 'toubol' back in the woods. Gasping the snarling, he and the unseen man next to him battered their iron cuffs at each other until both slumped back in exhaustion. Kunta felt himself starting to vomit again, and he tried to force it back, but couldn't. His already emptied belly squeezed up a thin, sour fluid that drained from the side of his mouth as he lay wishing that he might die.

He told himself that he mustn't lose control again if he wanted to save his strength and his sanity. After a while, when he felt he could move again, he very slowly and carefully explored his shackled right wrist and ankle with his left hand. They were bleeding. He pulled lightly on the the left ankle and wrist of the man he had fought with. On Kunta's left, chained to him by the ankles, lay some other man, someone who kept up a steady moaning and they were all so close that their shoulders, arms, and legs touched if any of them moved even a little.

36. How many people are there definitely with Kunta ?

- (A) No one else
- (B) One other person
- (C) Two other persons
- (D) Many others

37. In the passage, Kunta vomited again because he—

- (A) was not keeping well
- (B) was very hungry
- (C) was angry with someone
- (D) had fought with someone

38. The man is referred to as 'unseen' because—

- (A) Kunta didn't know him
- (B) Kunta wouldn't turn his head to see him
- (C) It was dark
- (D) Kunta was tied

39. Where is Kunta ?

- (A) In the open air
- (B) In a prison

- (C) In a confined space
- (D) Not mentioned in the text

40. Kunta was desperate when a rat came near him because—

- (A) he quivered with revulsion
- (B) he was angry and hungry
- (C) he was shackled and helpless
- (D) he was tied to someone else

Directions—(Q. 41–50) In the following passage, some of the words have been left out. First read the passage over and try to understand what it is about. Then fill in the blanks with the help of the alternatives given. Mark your answer in the Answer sheet.

A modern example of the process of evolution by natural selection in action is provided by the peppered moth. The moth is ...41... pale in colour, a mottled grey which ...42... the moth to settle, wings outstretched, ...43... the bark of lichen covered trees and ...44... unnoticed. It can thus save itself from many ...45... birds. However, many years ago some British ...46... found that there does exist a second...47... of this moth, with dark sooty wings. Research has ...48... established that both belong to the ...49... species, but the dark moth lives in ...50... surroundings, where the trunks of the trees on which they live are dark with industrial grime.

41. (A) only
(B) normally
(C) really
(D) obviously

42. (A) permits
(B) allows
(C) enables
(D) obstructs

43. (A) in
(B) on
(C) about

(D) under

44. (A) be

(B) hide

(C) run

(D) come

45. (A) ordinary

(B) circulatory

(C) predatory

(D) stationary

46. (A) naturalists

(B) ornithologists

(C) excavators

(D) scholars

47. (A) group

(B) section

(C) variety

(D) society

48. (A) however

(B) now

(C) then

(D) since

49. (A) same

(B) similar

(C) like

(D) one

50. (A) rural

(B) mechanical

(C) agricultural

(D) urban

Answers:

1. (C) 2. (B) 3. (C) 4. (C) 5. (B) 6. (D) 7. (A) 8. (B) 9. (A) 10. (B)

11. (A) 12. (B) 13. (D) 14. (C) 15. (B) 16. (C) 17. (A) 18. (D) 19. (B) 20. (D)

21. (C) 22. (A) 23. (C) 24. (B) 25. (B) 26. (B) 27. (A) 28. (B) 29. (D) 30. (D)

31. (C) 32. (C) 33. (C) 34. (B) 35. (A) 36. (B) 37. (D) 38. (D) 39. (C) 40. (A)

41. (B) 42. (C) 43. (D) 44. (A) 45. (C) 46. (B) 47. (C) 48. (B) 49. (A) 50. (D)

1. If 'M' denotes '+', 'N' denotes '÷', 'R' denotes '-' and Q denotes 'x' then—

$$15 M 12 Q 5 R 40 N 8 = ?$$

- (A) 70
- (B) 130
- (C) 45
- (D) 60
- (E) None of these

Ans : (A)

2. How many meaningful English words can be formed using the third, fifth, ninth and eleventh letters of the word 'COMMANDMENT' using each letter only once ?

- (A) None
- (B) One
- (C) Two
- (D) Three
- (E) More than three

Ans : (E)

3. Seema correctly remembers that she took leave after 21st October and before 27th October. Her colleague Rita took leave on 23rd October but Seema was present on that day. If 24th October was a public holiday and 26th October was Sunday, on which day in October did Seema take leave ?

- (A) 22nd October
- (B) 25th October
- (C) 22nd or 25th October
- (D) Data Inadequate
- (E) None of these

Ans : (C)

Directions—(Q. 4 and 5) The following questions are based on the five three letter words given below—

PUN SAD CRY FOE STY

If each of the words is rearranged in alphabetical order then—

4. If it is possible to make only one meaningful English word using each letter only once, from the first letters of each of the five words after the letters of

each word are rearranged in alphabetical order, the last letter of that word is your answer. If more than one word can be formed, 'X' is the answer and if no such word can be formed then 'W' is the answer.

- (A) E
- (B) N
- (C) X
- (D) W
- (E) S

Ans : (C)

5. How many words will remain unchanged even after their rearrangement in alphabetical order ?

- (A) None
- (B) One
- (C) Two
- (D) Three
- (E) More than three

Ans : (C)

6. How many pairs of letters are there in the word 'VERIFIED' each of which has as many letters between them in the word as in the English alphabet ?

- (A) None
- (B) One
- (C) Two
- (D) Three
- (E) More than three

Ans : (C)

7. The fare paying capacity of people who travel on routes connecting to small towns is very low. Most successful airlines which operate in such regions have a large number of seats.

Which of the following can be inferred from the above information ?

- (A) Regional airlines are quite profitable.
- (B) People from cities are increasingly travelling to small towns.
- (C) Regional airlines have to charge low fares in order to be profitable.
- (D) The number of people travelling from small towns to cities is massive.
- (E) None of these

Ans : (C)

8. If 'A × D' means 'A is the sister of D', 'A + D' means 'D is the daughter of A' and 'A ÷ D' means 'A is the mother of D', then how will N is the aunt of M be denoted ?

- (A) $M + L \times N$
- (B) $M \div L + N$
- (C) $L \times N \div M$
- (D) $N \times L \div M$
- (E) None of these

Ans : (D)

9. M earns more than X and less than T. V earns more than M and T. R earns more than only X. Who earns the least among the five of them ?

- (A) X
- (B) V
- (C) M
- (D) Cannot be determined
- (E) None of these

Ans : (A)

10. The Court has stayed proceedings against the stockbroker. He can now return to the country. Which of the following can be assumed from the given information ?

- (A) The stockbroker is innocent.
- (B) The police cannot arrest the stockbroker.
- (C) The judge has been bribed.
- (D) Complaints filed against the stockbroker have been withdrawn.
- (E) None of these

Ans : (B)

Directions—(Q. 11–15) Read the following passage carefully and answer the questions given below it.

A, B, C, D, E, F, G and H are sitting around a circular table, facing the centre. A sits third to the left of C and second to the right of E. B sits second to the right of D who is not an immediate neighbour of E. H sits second

to the left of F. G is not an immediate neighbour of D.

11. Which of the following pairs has only one person sitting-between them, if the counting is done in clockwise direction ?

- (A) F, G
- (B) H, G
- (C) H, C
- (D) H, B
- (E) None of these

Ans : (B)

12. Who sits third to the right of E ?

- (A) D
- (B) G
- (C) F
- (D) B
- (E) None of these

Ans : (C)

13. What is the position of G with respect to A's position ?

- (A) Immediately to the right
- (B) Second to the left
- (C) Third to the right
- (D) Third to the left
- (E) Fourth to the right

Ans : (D)

14. Who sits between E and A ?

- (A) F
- (B) D
- (C) G
- (D) B
- (E) None of these

Ans : (E)

15. Starting from A's position, if all the eight are arranged in alphabetical order in clockwise direction, the seating position of how many members

(excluding A) would remain unchanged ?

- (A) None
- (B) One
- (C) Two
- (D) Three
- (E) Four

Ans : (A)

Directions—(Q. 16–23) In each of the questions below are given four statements followed by four conclusions numbered I, II, III and IV. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

16. Statements :

Some stoves are ovens.

All ovens are cylinders.

Some engines are stoves.

Some metals are cylinders.

Conclusions :

I. Some ovens are metals

II. Some cylinders are stoves

III. Some ovens are engines

IV. No engine is a cylinder

(A) None follows

(B) Only II and IV follow

(C) Only II and III follow

(D) Only III follows

(E) Only II follows

Ans : (E)

17. Statements :

Some cars are buses.

Some buses are trains.

All airplanes are trains.

All trucks are buses.

Conclusions :

- I. Some airplanes are trucks.
- II. Some cars are trains.
- III. Some trucks are airplanes.
- IV. No truck is train.

- (A) None follows
- (B) Only II and IV follow
- (C) Only III and IV follow
- (D) Only I and III follow
- (E) None of these

Ans : (A)

18. Statements :

- Some tools are hammers.
- All tools are trees.
- Some trees are flowers.
- No hammer is flower.

Conclusions :

- I. All hammers are tools.
 - II. No tool is flower.
 - III. Some hammers are trees.
 - IV. Some flowers are tools.
- (A) None follows
 - (B) Only I and either II or IV follow
 - (C) Only II and IV follow
 - (D) Only III follows
 - (E) None of these

Ans : (E)

19. Statements :

- Some bags are pockets.
- Some pockets are trousers.
- All skirts are pockets.
- Some belts are bags.

Conclusions :

- I. Some trousers are belts.
- II. Some skirts are bags.

III. No trouser is belt.

IV. Some skirts are trousers.

(A) All follow

(B) Only II and IV follows

(C) Only III follows

(D) Only either I or III follows

(E) None of these

Ans : (D)

20. Statements :

Some cats are tigers.

All lions are cats.

Some horses are lions.

All horses are animals.

Conclusions :

I. Some lions are tigers.

II. No horse is tiger.

III. Some horses are cats.

IV. Some horses are tigers.

(A) None follows

(B) Only III follows

(C) Only II and IV follow

(D) Only III and either II or IV follow

(E) None of these

Ans : (D)

21. Statements :

Some clocks are radios.

No radio is laptop.

Some fridges are clocks.

Some clocks are laptops.

Conclusions :

I. Some fridges are laptops.

II. No radio is fridge.

III. Laptops are either fridges or clocks.

IV. No laptop is fridge.

(A) Only II follows

- (B) Only IV follows
- (C) Only either I or IV follows
- (D) Only III follows
- (E) None of these

Ans : (C)

22. Statements :

Some notes are coins.

Some papers are plastics.

All coins are papers.

No note is cardboard.

Conclusions :

- I. Some notes are papers.
- II. Some coins are plastics.
- III. No paper is cardboard.
- IV. No note is plastic.

- (A) Only I follows
- (B) Only I and II follow
- (C) Only I and III follow
- (D) All follow
- (E) None of these

Ans : (A)

23. Statements :

All stools are desks.

No desk is shelf.

All shelves are cupboards.

Some cupboards are mirrors.

Conclusions :

- I. No mirror is shelf.
- II. No stool is shelf.
- III. No cupboard is desk.
- IV. No mirror is desk.

- (A) None follows
- (B) Only II and III follow
- (C) Only II follows
- (D) Only II, III and IV follow

(E) None of these

Ans : (C)

Directions—(Q. 24–28) Study the following arrangement carefully and answer the questions given below—

M ? 2 D B 7 A 4 * 9 6 \$ T + N 5 @ V E W # U 8 F © 3

24. How many such prime numbers are there in the given arrangement each of which is immediately followed by a symbol and preceded by a consonant ?

(A) None

(B) One

(C) Two

(D) Three

(E) More than three

Ans : (B)

25. If the places of the symbols are interchanged with those of the numbers immediately following them in the given arrangement then which of the following will be the eleventh from the right end ?

(A) V

(B) @

(C) 5

(D) N

(E) None of these

Ans : (C)

26. Which of the following is the seventh letter to the left of # ?

(A) A

(B) N

(C) T

(D) B

(E) None of these

Ans : (D)

27. What should come in place of the question mark (?) in the following series based on the above arrangement ?

2 7 B 4 6 9 T 5 N ?

- (A) @ W E
- (B) 5 E V
- (C) V U #
- (D) V # W
- (E) None of these

Ans : (D)

28. If the symbols and numbers are dropped from the given arrangement and then the letters are rearranged in alphabetical order which of the following will be the sixth from the left end ?

- (A) M
- (B) F
- (C) N
- (D) E
- (E) None of these

Ans : (A)

Directions—(Q. 29–33) Below in each question are given two statements (I) and (II). These statements may be either independent causes or may be effects of independent causes or a common cause. One of these statements may be the effect of the other statement. Read both the statements and then decide which of the following answer choice correctly depicts the relationship between these two statements. Mark answer—

- (A) If statement I is the cause and statement II is its effect.
- (B) If statement II is the cause and statement I is its effect.
- (C) if both statements I and II are independent causes.
- (D) if both statements I and II are effects of independent causes.
- (E) if both statements I and II are effects of some common causes.

29. I. There has been mass recruitment of IT professionals by Indian IT companies

II. Many developed countries are increasingly outsourcing IT related functions to India and China.

Ans : (B)

30. I. Many farmers have given up jute cultivation as it is no longer economically viable.

II. The textile ministry has proposed a hike in the Minimum Support Price of jute.

Ans : (A)

31. I. The government is considering changes in the Land Acquisition Act.

II. Several large infrastructure development projects have been stalled due to unavailability of land.

Ans : (E)

32. I. The Government is considering the possibility of involving private sector companies in highway construction projects.

II. The implementation of many highway projects undertaken by government agencies is behind schedule in various states.

Ans : (B)

33. I. The price of aircraft fuel has risen during the past few months.

II. Many passenger airlines in India have been forced to cut their air fares by about 10 per cent.

Ans : (D)

Directions—(Q. 34–40) In each question below is given a group of letters followed by four combinations of digits/symbols lettered (A), (B), (C) and (D). You have to find out which of the combinations correctly represents the group of letters based on the coding system and mark the letter of that combination as your answer. If none of the combinations correctly represents the group of letters, mark (E) i.e., 'None of these' as your answer.

Letter :

W R A P G B M U S E F T N D

Digit/Symbol Codes :

\$ 8 ! 2 7 # 9 @ ? 5 b 4 * 6

Conditions :

I. If the middle letter is a vowel, the codes for the first and the fourth letters are to be interchanged.

II. If the first two letters are consonants, the first letter is to be coded, no code may be given to the second letter and the remaining three letters are to be coded.

III. If the first letter is a vowel and the last letter is a consonant both are

to be coded as the code for the consonant.

34. NEAST—

- (A) ?5!*4
- (B) ?5!4*
- (C) 4*!5?
- (D) 45!?
- (E) None of these

Ans : (A)

35. DAEWP—

- (A) 6!5\$2
- (B) \$!562
- (C) 6!52\$
- (D) \$265!
- (E) None of these

Ans : (B)

36. PEFTG—

- (A) 25b42
- (B) 2b4G
- (C) 25b47
- (D) 47b25
- (E) None of these

Ans : (C)

37. SMGBE—

- (A) ?975#
- (B) 97#5?
- (C) ?97#5
- (D) ?#79?
- (E) None of these

Ans : (E)

38. UGREN—

- (A) *785@
- (B) *785*

(C) @785@

(D) @85*

(E) None of these

Ans : (B)

39. RBMFN—

(A) 8#9b4

(B) b*98#

(C) 89b*

(D) 8#9b*

(E) None of these

Ans : (C)

40. MUTWA—

(A) 9@\$4!

(B) 94\$!

(C) 94@!\$

(D) 9@4\$!

(E) None of these

Ans : (D)

Directions-(Q. 41-50) Study the following information carefully and answer the questions which follow—

A bank is disbursing educational loans to meritorious students. Loans will be made available to applicants who possess the following criteria.

The candidate must—

I. Be a citizen of India

II. Have secured admission to a post graduate course (Masters or P. G. Diploma) offered by an Indian or foreign university in India.

III. Have secured 60 per cent marks in the entrance examination for the course.

IV. Have security (property/LIC policy) equivalent to the loan amount.

However if the applicant fulfils the above mentioned criteria except—

(1) At (II) above the case may be referred to the Loan committee.

(2) At (IV) above guarantee of a third party who has an account with the bank may be obtained.

Mark answer :

- (A) If the loan is to be sanctioned.
- (B) If the loan is to be rejected.
- (C) If the loan is to be referred to the loan committee.
- (D) If guarantee from an account holder is needed.
- (E) If the data provided is inadequate to take a decision.

41. Shruti has secured admission to MNV University in Chennai for a post-graduate degree in management. She obtained 65 per cent in the entrance test for the course. She has an Indian passport.

Ans : (E)

42. Milind has applied and secured admission for a post-graduate degree in advertising at MIC University Ahmedabad. He has an LIC policy equivalent to the loan amount. He secured 70 per cent in his graduation and is an Indian citizen.

Ans : (A)

43. Prakash has applied for a postgraduate course in IT and Animation which will commence from January in Kolkata. He has secured admission to the course having obtained 60 per cent in the written entrance test.

His uncle who has an account with the bank is willing to stand guarantor.

Ans : (E)

44. Anil is an Indian science graduate who has secured admission for a Masters degree in Computer Science from a prestigious Indian University. He stood first in the entrance test with 82 per cent marks. His family is willing to use their house, which is equivalent in value to the loan amount, as security. He will stay with his uncle in Dubai during the course.

Ans : (A)

45. Nikhil's part time P.G. Diploma in Management will begin in December. He secured 65 per cent in the All India entrance exam and has secured admission to a college in Mumbai. He has requested a transfer for the duration of the course. He has an LIC policy equivalent to the loan amount.

Nikhil holds an Indian passport.

Ans : (A)

46. Maria secured 75% in the entrance exam to NVT College Pune and has obtained

admission. An Indian national she has the necessary property to offer as security for the loan amount. The duration of her undergraduate degree course in Computer Applications is 3 years.

Ans : (E)

47. Deepa obtained 70 per cent in her engineering entrance exam for her Masters and has secured admission to the college of her choice. She has an LIC policy equivalent in value to the loan amount. Her interview to obtain a visa for her course in the U.S. is on November 25. She is an Indian citizen.

Ans : (A)

48. Sudhir has applied for a postgraduate degree in Pharmacy at All India Institute at New Delhi. He is an Indian citizen and having secured 60 per cent in his entrance exam, he has been granted admission. He does not have any property to use as security. His father who has an account with the bank is willing to guarantee the loan.

Ans : (D)

49. Anandi has secured admission for a P.G. Diploma in Management at a University in Allahabad with 72 per cent in the entrance examination. She has an LIC Policy amounting to the loan amount. She is an Indian citizen.

Ans : (A)

50. Ravi has obtained admission to the Indian Institute of Research at Chandigarh for a Masters in Mathematics offered only to Indian citizens. He secured 68 per cent in the entrance test. He does not have any security against the loan. However his employer who has an account with the bank is willing to guarantee the loan.

Ans : (D)

1. Ankaleswar is famous for :

- (A) Silk
- (B) Gold
- (C) Petrol
- (D) Iron

2. The largest city in India is :

- (A) Lakshadweep
- (B) Kanakumari
- (C) Indira Point
- (D) Rameshwaram

3. The southern most tip of India is :

- (A) Lakshadweep
- (B) Kanyakumari
- (C) Indira Point
- (D) Rameshwaram

4. In which city is the country's largest stadium located?

- (A) Kolkata
- (B) Delhi
- (C) Patiala
- (D) Chandigarh

5. Who was the oldest person to become the Prime Minister of India?

- (A) Charan Singh
- (B) Morarji Desai
- (C) H. D. Deve Gowda
- (D) P. V. Narasimha Rao

6. Which was the first feature film shown on the TV in colour?

- (A) Mughal-e-Azam
- (B) Mother India
- (C) Shatranj Ke Khiladi
- (D) Sholay

7. In which city is the country's largest prison located?

- (A) Lucknow
- (B) Kolkata
- (C) Kanpur
- (D) Delhi

8. Which is the largest orange-growing state?

- (A) Maharashtra
- (B) Punjab
- (C) Orissa
- (D) Madhya Pradesh

9. Who was the first Indian to win an individual Olympic medal?

- (A) Norman Pritchard
- (B) Milkha Singh
- (C) Leander Paes
- (D) P.T. Usha

10. Which is India's largest religious community?

- (A) Muslims
- (B) Hindus
- (C) Jews
- (D) Christians

11. Which is the largest chilli-producing state?

- (A) Gujarat
- (B) Jammu & Kashmir
- (C) Asom
- (D) Andhra Pradesh

12. Name the first Indian soap opera which was telecast from July 1984 to December 1985.

- (A) Hum Log
- (B) Buniyad
- (C) Rajani
- (D) Khaandan

13. In which state is the longest canal located?

- (A) Rajasthan
- (B) Gujarat
- (C) Punjab
- (D) Haryana

14. In which city was the first engineering college set up?

- (A) Roorkee
- (B) Ranchi
- (C) Pilani
- (D) Kanpur

15. Which regiment of the Indian Army has won the heighest number of gallantry awards?

- (A) Rajputana Rifles
- (B) Punjab Regiment
- (C) Madras Regiment
- (D) Sikh Regiment

16. In which city was the first underground bazar constructed?

- (A) Delhi
- (B) Mumbai
- (C) Bangalore
- (D) Hyderabad

17. Who was the first Indian President to cast his vote in a General Election while in office?

- (A) Neelam Sanjiva Reddy
- (B) Dr. S.D. Sharma
- (C) K. R. Narayanan
- (D) R. Venkataraman

18. In which year did All India Radio begin broadcasting news?

- (A) 1921
- (B) 1927
- (C) 1935
- (D) 1942

19. In which city was the first milk powder plant set up?

- (A) Anand
- (B) Delhi
- (C) Chandigarh
- (D) Patiala

20. Who among the following was not a Vice-President?

- (2A) Gulzarilal Nanda
- (B) Gopal Swarup Pathak
- (C) B. D. Jatti
- (D) M. Hidayatullah

Answers :

1. (C) 2. (A) 3. (C) 4. (A) 5. (B) 6. (C) 7. (D) 8. (A) 9. (A) 10. (B)
11. (D) 12. (A) 13. (A) 14. (A) 15. (D) 16. (A) 17. (C) 18. (B) 19. (A) 20. (A)

1. The commission to make local investigation can be issued for the purposes of—

- 1. Collecting evidence on a fact
- 2. Elucidating any matter in dispute
- 3. Ascertaining the amount of mesne profit
- 4. Ascertaining the market value of the property

Which of the above are correct ?

Codes :

- (A) 1, 2 and 3
- (B) 2, 3 and 4
- (C) 1, 2, 3 and 4
- (D) 1 and 2

Ans : (B)

2. Where a decree is passed against the Union of India or a State for the act done in the official capacity of the officer concerned, under Section 82 C.P.C., execution shall not be issued on any such decree unless the decree remains unsatisfied for a period of—

- (A) 3 months from the date of the decree
- (B) 6 months from the date of the decree
- (C) 1 year from the date of the decree
- (D) 2 years from the date of the decree

Ans : (A)

3. Assertion (A) : The rule of constructive res judicata is applicable to writ petitions.

Reason (R) : Public policy considerations underlying res judicata also hold true in relation to writ proceedings.

Codes :

- (A) Both A and R are true and R is the correct explanation of A
- (B) Both A and R are true but R is not the correct explanation of A
- (C) A is true but R is false
- (D) A is false but R is true

Ans : (A)

4. A residing in Delhi publishes in Kolkata statements defamatory of B. B may sue A in—

- (A) Delhi only
- (B) Kolkata only
- (C) Either Delhi or Kolkata
- (D) Anywhere in India with the leave of the court

Ans : (C)

5. Which one of the following suits is not of a civil nature ?

- (A) Suits relating to rights to property
- (B) Suits for rents
- (C) Suits for recovery of voluntary payments or offerings
- (D) Suits against dismissals from service

Ans : (C)

6. Which of the following is not a sufficient cause for granting adjournment ?

- (A) Sickness of a party, his witness or his counsel
- (B) Non-examination of a witness present in the court
- (C) Non-service of summons
- (D) Reasonable time for preparation of a case

Ans : (B)

7. Where a plaintiff sues upon a document in his power or possession, he must produce it or a copy thereof—

- (A) Along with the plaint
- (B) At the time of giving of evidence
- (C) At the time of framing of issues
- (D) When ordered by the court

Ans : (A)

8. Voluntary amendment is provided for under—

- (A) Order 6, R.7, C.P.C.
- (B) Order 6, R.15, C.P.C.
- (C) Order 6, R.17, C.P.C.
- (D) Order 6, R.19, C.P.C.

Ans : (C)

9. A plaint is liable to be returned, when—

- (A) Plaint is on an insufficiently stamped paper
- (B) Plaint is not filed in duplicate
- (C) Relief is undervalued in the plaint
- (D) Plaint is filed in a court having no jurisdiction

Ans : (D)

10. The expression, "Each party shall bear his own costs" implies that—

- (A) Both the parties are entitled to cost from each other
- (B) Both the parties are not to be deprived of costs
- (C) Both the parties are to be deprived of costs
- (D) Both the parties are not entitled to cost from each other

Ans : (A)

11. Which of the following questions is not to be determined by an executing court ?

- (A) Discharge of decree
- (B) Execution of decree
- (C) Modification of decree
- (D) Satisfaction of decree

Ans : (C)

12. In which of the following cases the Supreme Court has upheld the validity of Section 51 of Code of Civil Procedure ?

- (A) Xavier Vs. Bank of Canara
- (B) The Visaka case
- (C) Indian Gramophone Co. Vs. Birendra Bahadur Pandey
- (D) Jolly George Verghese Vs. Bank of Cochin

Ans : (D)

13. In which of the following cases the Supreme Court has upheld the constitutionality of the Code of Civil Procedure (Amendment) Acts of 1999 and 2002 ?

- (A) Salem Advocate Bar Association, Tamil Nadu Vs. Union of India
- (B) Delhi High Court Bar Association Vs. Union of India
- (C) Allahabad High Court Bar Association Vs. Union of India
- (D) Punjab and Haryana High Court Bar Association Vs. Union of India

Ans : (A)

14. Which one of the following is a true statement in relation to Section 80 of Civil Procedure Code ?

- (A) A suit without service of notice can be instituted generally, with the leave of the court
- (B) A suit without service of notice can be instituted in cases of urgent or immediate relief, with the leave of the court
- (C) In cases of urgent or immediate relief where leave to institute the suit without service of notice has been granted, interim or otherwise ex parte relief can be granted
- (D) No suit under Section 80 can be instituted without the compliance of the requirement of notice

Ans : (B)

15. Match List-I with List-II and select the correct answer using the code given below the Lists—

List-I

- (a) Set-off
- (b) Mesne profit
- (c) Indigent
- (d) Subsistence allowance

List-II

1. Amount paid by the decreeholder for detention of the judgment-debtor in civil prison
2. Person allowed to file suit or appeal without court fee
3. Adjustment of defendant's claim with the plaintiff's claim
4. Gains from property by a person having wrongful possession

Codes :

- (a) (b) (c) (d)

- (A) 4 3 1 2
- (B) 3 4 2 1
- (C) 2 1 4 3
- (D) 3 1 2 4

Ans : (B)

16. Which of the following pairs is/are correctly matched ?

- (1) Right to file caveat —Section 148-A, C.P.C.
- (2) Pauper suit —Section 33, C.P.C.
- (3) Privileged document —Section 29, C.P.C.
- (4) Powers of appellate court —Section 102, C.P.C.

Codes :

- (A) 1 only
- (B) 4 only
- (C) 1 and 2
- (D) 2, 3 and 4

Ans : (A)

17. Match List-I with List-II and select the correct answer using the code given

below the Lists—

List-I

- (a) Restitution afresh
- (b) Next friend
- (c) Legal representative
- (d) Garnishees

List-II

- 1. Representative of a minor or a plaintiff of unsound mind in a civil suit
- 2. Person representing the estate of the deceased
- 3. Debtor of the judgmentdebtor liable for payment or delivery
- 4. Setting aside ex parte decree and rehearing the case

Codes :

- (a) (b) (c) (d)
- (A) 2 3 1 4
- (B) 4 3 2 1
- (C) 4 1 2 3
- (D) 3 4 2 1

Ans : (C)

18. In execution of a decree for the maintenance, salary of a person can be attached to the extent of—

- (A) One-fourth
- (B) One-third
- (C) Two-third
- (D) One-half

Ans : (C)

19. Under Order XVIII, Rule 4(1) of C.P.C., the examination in chief of a witness shall be recorded—

- (A) By the Judge
- (B) By the Commissioner appointed by the court
- (C) On affidavit
- (D) All of the above

Ans : (C)

20. When a party is called upon by notice to admit facts by the other party, under Order XII, Rule 4 of C.P.C., the party on whom the notice has been served has to admit the facts within—

- (A) 15 days of the service of notice
- (B) 9 days of the service of notice
- (C) 7 days of the service of notice
- (D) 6 days of the service of notice

Ans : (D)

21. Assertion (A) : Subject to some exceptions the provisions of the Code of Criminal Procedure are not applicable to tribal areas in undivided Assam.

Reason (R) : These areas enjoy special status like the State of Jammu and Kashmir.

Codes :

- (A) Both A and R are true and R is the correct explanation of A
- (B) Both A and R are true but R is not the correct explanation of A
- (C) A is true but R is false
- (D) A is false but R is true

Ans : (C)

22. Reasons for non-applicability of some of the provisions of the Criminal Procedure Code to the State of Nagaland have been stated by the Supreme Court in—

- (A) State of Nagaland Vs. Rattan Singh
- (B) Maharaja Vikram Kishore of Tripura Vs. Province of Assam
- (C) Zorzoliana Vs. Government of Mizoram
- (D) State of Nagaland Vs. Chung

Ans : (A)

23. Who can appoint a police officer as an assistant public prosecutor for courts of Magistrates ?

- (A) Superintendent of Police
- (B) District and Sessions Judge
- (C) District Magistrate
- (D) High Court on the request of the State Government

Ans : (C)

24. Who among the following can be arrested without warrant by any Magistrate ?

- (A) Any person committing offences within the local jurisdiction of such Magistrate but not in his presence
- (B) Any person committing offences anywhere, but in the presence of such Magistrate
- (C) Any person within his local jurisdiction for whose arrest he is competent to issue a warrant
- (D) All of the above

Ans : (C)

25. Match List-I with List-II and select the correct answer using the code given below the Lists—

List-I

- (a) Special Metropolitan Magistrate
- (b) Chief Metropolitan Magistrate
- (c) Judicial Magistrate of Second Class
- (d) Assistant Sessions Judge

List-II

1. Imprisonment up to 7 years or/and fine
2. Imprisonment up to 10 years or/and fine

3. Imprisonment up to 3 years or/and fine

4. Imprisonment up to 1 year or/and fine up to Rs. 1,000

Codes :

(a) (b) (c) (d)

(A) 2 4 3 1

(B) 3 2 1 4

(C) 1 4 2 3

(D) 3 1 4 2

Ans : (D)

26. Where two or more courts have taken cognizance of the same offence and a question arises as to which of them ought to inquire into or try the offence, the question shall be decided—

1. If the courts are subordinate to the same High Court, by that High Court

2. By the High Court within the local limits of whose appellate criminal jurisdiction the accused resides, carries on business or is engaged in a gainful employment

3. If the courts are subordinate to the same High Court, by the High Court in consultation with the State Government concerned

4. If the courts are not subordinate to the same High Court, by that court within the local limits of whose appellate criminal jurisdiction the proceedings were first commenced

Which of the above are correct ?

Codes :

(A) 1 and 2

(B) 2 and 3

(C) 1 and 4

(D) 1, 2, 3 and 4

Ans : (C)

27. Assertion (A) : Power of the State to order cases to be tried in different sessions divisions is very limited.

Reasons (R) : This extraordinary power is to be used when consideration of public justice justifies its exercise.

Codes :

(A) Both A and R are true and R is the correct explanation of A

(B) Both A and R are true but R is not the correct explanation of A

(C) A is true but R is false

(D) A is false but R is true

Ans : (A)

28. There shall be no appeal by a convicted person where a Chief Judicial Magistrate imposes only a sentence of fine not exceeding—

(A) Rs. 1,000

(B) Rs. 200

(C) Rs. 100

(D) Rs. 300

Ans : (C)

29. “Too many appeals and revisions are a bane of the Indian Judicial System, involving as it does sterile expense and delay and fruitless chase of perfection.”

Justice Krishna Iyer made this observation in—

(A) Harnam Singh Vs. State of HP

(B) Mohd. Sauman Ali Vs. State of Assam

(C) Sitaram Vs. State of UP

(D) Jawaharlal Singh Vs. Naresh Singh

Ans : (A)

30. In a case the Supreme Court observed thus—“We are unable to find any magic or charm in the ritual of a charge. It is the substance of these provisions (relating to charge) that count and not their outform. To hold otherwise is only to provide avenues or escape for the guilty and afford no protection to the innocent.” The court made these observations in relation to—

(A) Alteration of charge

(B) Joinder of charges

(C) Persons who may be charged jointly

(D) Error, omission or irregularity in charge

Ans : (D)

31. Which of the following offences is triable summarily ?

(A) Theft where the value of the property stolen does not exceed Rs. 500

(B) Lurking house trespass

(C) Assisting in the concealment of stolen property of the value not exceeding

Rs. 300

(D) Receiving or retaining stolen property under Section 411, I.P.C. when the value of the property does not exceed Rs. 250

Ans : All answers are correct

32. The period of limitation prescribed for taking cognizance of the offence punishable with imprisonment up to 3 years is—

(A) 1 year

(B) 2 year

(C) 3 years

(D) 4 years

Ans : (C)

33. In which of the following cases the constitutional validity of Section 433-A, Cr.P.C. was upheld ?

(A) Ashok Kumar Golu Vs. Union of India

(B) Babu Pahalwan Vs. State of MP

(C) Ramesh Vs. State of MP

(D) Karan Singh Vs. State of HP

Ans : (A)

34. Which of the following is an interlocutory order for the purposes of revisional powers of the High Court or a Sessions Court ?

(A) Orders summoning witnesses

(B) An order of bail granted by a Magistrate

(C) An order rejecting the plea of the accused on a point which when accepted, will conclude the particular proceeding

(D) Interlocutory orders which are without jurisdiction and nullities

Ans : (A)

35. A is only charged with theft and it appears that he committed the offence of criminal breach of trust. In this context, which one of the following is correct

?

(A) He may be acquitted

(B) He may be convicted only of theft

(C) He may be convicted of criminal breach of trust

(D) He may not be convicted of criminal breach of trust

Ans : (C)

36. Which of the following courts can set aside or modify the conditions imposed by a Magistrate when granting bail ?

- (A) High Court or Court of Sessions under Section 439, Cr.P.C.
- (B) High Court under Section 482, Cr.P.C.
- (C) Sessions Court under Section 465, Cr.P.C.
- (D) Court of Sessions under Section 438, Cr.P.C.

Ans : (A)

37. An offence of bigamy punishable under Section 494, I.P.C. was committed by A in Patna. The place where A resided with his first wife B was Gaya and the place where his first wife took up a permanent residence after the commission of the offence is Bhagalpur. The offence may be inquired into or tried by a court of competent jurisdiction at—

- (A) Patna
- (B) Bhagalpur
- (C) Gaya
- (D) All of the above

Ans : (D)

38. A Magistrate has power to deal with urgent cases of apprehended danger or nuisance under—

- (A) Section 133, Cr.P.C.
- (B) Section 144, Cr.P.C.
- (C) Section 145, Cr.P.C.
- (D) Section 107, Cr.P.C.

Ans : (B)

39. Which of the following Magistrates have power to prohibit repetition or continuance of public nuisance ?

1. District Magistrate
2. Sub-Divisional Magistrate
3. Judicial Magistrate
4. Executive Magistrate duly empowered in this behalf

Codes :

- (A) 1 and 4

(B) 2 and 3

(C) 1, 2 and 4

(D) 1, 2, 3 and 4

Ans : (C)

40. Assertion (A) : The provisions for reviewing the decision of a criminal court are essential for the due protection of life and liberty.

Reasons (R) : They are based on the notion that Judges and Magistrates are not infallible.

Codes :

(A) Both A and R are true and R is the correct explanation of A

(B) Both A and R are true but R is not the correct explanation of A

(C) A is true but R is false

(D) A is false but R is true

Ans : (D)

41. The question is, whether A was robbed. The fact that he said, he had been robbed without making any complaint—

(A) Is relevant showing preparation for relevant facts

(B) Is relevant showing conduct

(C) Is relevant showing effect of relevant facts

(D) May be relevant under Section 32 or Section 157 of the Evidence Act

Ans : (D)

42. A is accused of receiving stolen goods knowing them to be stolen. He offers to prove that he refused to sell them below their value. He may—

(A) Not prove this statement

(B) Prove if it is relevant otherwise than an admission

(C) Prove it as it is explanatory of conduct influenced by facts in issue

(D) None of the above

Ans : (C)

43. Which one of the following statements is correct ?

(A) An admission by a guardian and litem against a minor is evidence

(B) Admission on a point of law made by a pleader in court on behalf of the client is evidence

(C) Admission by one of the several defendants in a suit against another

defendant is evidence

(D) Admission of fact made by a pleader in court on behalf of his client is evidence

Ans : (D)

44. Which one of the following is the true statement in relation to the relevancy of character ?

(A) In criminal cases, previous good character is irrelevant

(B) In criminal proceedings, previous bad character is relevant

(C) In civil cases, character to prove conduct imputed is relevant

(D) In civil cases, character of any person affecting the amount of damages is relevant

Ans : (D)

45. When the court has to form an opinion as to the digital signature of any person, the opinion of which of the following is relevant ?

(A) Certifying Authority

(B) Controller appointed under the Information Technology Act

(C) Internet Service Provider

(D) Certifying Authority which had issued digital signature certificate

Ans : (D)

46. In which of the following cases the Supreme Court raised doubts regarding the applicability of the doctrine of equitable estoppel beyond Section 115, Evidence Act ?

(A) Mercantile Bank of India Ltd. Vs. Central Bank of India Ltd.

(B) Madanappa Vs. Chandramma

(C) Turner Morrison and Co. Vs. Hungerford Investment Trust Ltd.

(D) Sitaram Vs. State of UP

Ans : (A)

47. No revenue officer shall be compelled to say whence he got any information as to the commission of any offence against the public revenue. This provision is contained in—

(A) Section 125, Evidence Act

(B) Section 124, Evidence Act

(C) Section 123, Evidence Act

(D) Section 126, Evidence Act

Ans : (A)

48. No confession made to a police officer shall be proved as against a person accused of any offence.

The rationale of this rule is stated in—

(A) Queen Empress V s . Abdullah

(B) Queen Empress Vs. Babulal

(C) Queen Vs. Lillyman

(D) Pakla Narayan Swamy Vs. Emperor

Ans : (B)

49. Where a bill of exchange is drawn in a set of five, how many of them need to be proved ?

(A) Five

(B) Three

(C) One

(D) Two

Ans : (C)

50. Assertion (A) : A gives B a receipt for money paid by B. Oral evidence is offered for the payment. The evidence is admissible.

Reason (R) : A receipt is not a contract or grant in respect of which oral evidence is barred.

Codes :

(A) Both A and R are true and R is the correct explanation of A

(B) Both A and R are true but R is not the correct explanation of A

(C) A is true but R is false

(D) A is false but R is true

Ans : (A)

51. Assertion (A) : Section 91 and 92, Evidence Act should be read together.

Reason (R) : These two Sections supplement each other.

Codes :

(A) Both A and R are true and R is the correct explanation of A

(B) Both A and R are true but R is not the correct explanation of A

(C) A is true but R is false

(D) A is false but R is true

Ans : (A)

52. The court shall take judicial notice of—

- (A) Foreign judicial records
- (B) National Flag of a State not recognized by India
- (C) Stephen's Digest on Criminal Law
- (D) Rule of Road on land (and in sea)

Ans : (D)

53. Which of the following is an example of 'may presume' ?

- (A) Presumption as to electronic records
- (B) Presumption as to digital signature certificate
- (C) Presumption as to electronic messages
- (D) Presumption as to electronic agreements

Ans : (C)

54. Section 58 of the Evidence Act deals with—

- (A) Formal admissions
- (B) Evidentiary admissions
- (C) Formal as well as evidentiary admissions
- (D) Proof of facts by oral evidence

Ans : (C)

55. Which of the following pairs is not correctly matched ?

- (A) Relevancy of statements as to law contained in law books
—Section 38, Evidence Act,
- (B) Relevancy of statements in maps, charts, etc.
—Section 35 Evidence Act
- (C) Relevancy of certain evidence for proving in subsequent proceedings the truth of facts therein stated
—Section 34, Evidence Act
- (D) Relevancy of statement as to facts of public nature
—Section 37, Evidence Act

Ans : (C)

56. In which of the following instances there is no reason for asking the

witness the question whether he is a dacoit ?

(A) A barrister is instructed by an attorney that an important witness is a dacoit

(B) A pleader is informed by a person in court that an important witness is a dacoit. The information on being questioned by the pleader gives satisfactory reasons for his statement

(C) A witness of whom nothing whatsoever is known, is asked randomly, whether he is a dacoit

(D) A witness of whom nothing whatsoever is known, being questioned as to his mode of life and means of living gives unsatisfactory answers

Ans : (C)

57. Husband and wife—

(A) Are competent witnesses against each other in matrimonial cases

(B) Are not competent witnesses against each other as they are one person in law

(C) Are competent witnesses against each other in civil cases only

(D) Are competent witnesses against each other in civil as well as criminal cases

Ans : (D)

58. Match List-I with List-II and select the correct answer using the code given below the Lists—

List-I

(a) Bloodstains and blood group

(b) Automatic camera

(c) Tape-recorded statement

(d) Handwriting

List-II

1. Reg Vs. Dodson

2. State of Gujarat Vs. Chhota Lal Patni

3. B Vs. Attorney-General

4. Yusufalli Vs. State of Maharashtra

Codes :

(a) (b) (c) (d)

(A) 3 4 2 1

(B) 3 1 4 2

(C) 2 3 1 4

(D) 1 2 4 3

Ans : (D)

59. Which of the following pairs is not correctly matched ?

(A) That a man heard or said something —Fact

(B) A map or plan —Document

(C) Copies made from or compared with the original —Evidence

(D) Facts connected to a fact in issue in such a manner as to constitute part of the same transaction —Rule nisi

Ans : (D)

60. Match List-I with List-II and select the correct answer using the code given

below the Lists :

List-I

(a) Confession caused by inducement, threat, promise

(b) Confession to a customs officer

(c) Confession in the FIR given by the accused

(d) Discovery of a fact pursuant to a statement in police custody

List-II

1. Aghnoo Nagesia Vs. State

2. State of Punjab Vs. Barkatram

3. Pyarelal Bhargava Vs. State of Rajasthan

4. State of Bombay Vs. Kathi Kalu Oghad

Codes :

(a) (b) (c) (d)

(A) 1 4 3 2

(B) 2 3 4 1

(C) 2 1 3 4

(D) 3 2 1 4

Ans : (D)

61. Which one of the following is not provided in Sections 4 and 5 of the Contract Act ?

(A) Communication of offer

(B) Communication of acceptance

(C) Revocation of proposal and acceptance

(D) Revocation of contract

Ans : (D)

62. Which one of the following does not amount to fraud ?

(A) Active concealment of a fact

(B) A promise made without any intention of performing it

(C) Suggestion as a fact of that which is not true by one who does not believe it to be true

(D) A representation made without knowing it to be false, honestly believing it to be true

Ans : (D)

63. A stipulation for increased interest from the date of default is known as—

(A) Damage

(B) Penalty

(C) Liquidated damage

(D) Compensation

Ans : (B)

64. Match List–I with List–II and select the correct answer using the code given below the Lists—

List–I

(a) Tinn Vs. Hoffman and Co.

(b) Fisher Vs. Bell

(c) Carlill Vs. Carbolic Smoke Ball Co.

(d) Harvey Vs. Facey

List–II

1. Invitation to treat

2. Offers at large

3. Cross offers

4. Quotation of price

Codes :

(a) (b) (c) (d)

(A) 3 1 4 2

(B) 1 2 3 4

(C) 2 1 3 4

(D) 2 4 1 3

Ans : All answers are incorrent

65. Which one of the following propositions is correct ?

- (A) A minor's contract being void, a minor is not bound to pay for necessities supplied to him
- (B) A minor's contract being voidable he is bound to pay for necessities supplied to him
- (C) A minor is bound to pay for necessities supplied to him because a minor's contract is valid
- (D) A minor's contract is void but he is bound to pay for necessities supplied to him

Ans : (D)

66. Match List-I with List-II and select the correct answer using the code given below the Lists :

List-I

- (a) Supervening impossibility
- (b) Consideration
- (c) Good faith
- (d) Dunlop Tyre Co. Vs. Selfridge and Co.

List-II

1. Uberrima fides contract
2. Frustration
3. Privity of contract
4. Quid pro quo

Codes :

- (a) (b) (c) (d)
- (A) 1 3 4 2
- (B) 3 2 1 4
- (C) 2 4 1 3
- (D) 2 1 3 4

Ans : (C)

67. Assertion (A) : Marriage brokerage contract is valid.

Reason (R) : Marriage brokerage contract is opposed to public policy.

Codes :

- (A) Both A and R are true and R is the correct explanation of A
- (B) Both A and R are true but R is not the correct explanation of A

(C) A is true but R is false

(D) A is false but R is true

Ans : (D)

68. Which of the following are the duties of a bailee ?

1. Duty to take reasonable care of goods

2. Duty not to make unauthorized use of goods

3. Duty not to mix his own goods with the goods bailed

4. Duty to compensate when goods is damaged despite of the care of the bailee

Codes :

(A) 2, 3 and 4

(B) 1, 2 and 3

(C) 3 and 4

(D) 1 and 2

Ans : (B)

69. Adomsen Vs. Jarvis is a leading case on—

(A) Bailment

(B) Contract of Indemnity

(C) Contract of Guarantee

(D) Pledge

Ans : (B)

70. The principle of agency of necessity is—

(A) Applicable in emergent situations where communication with the principal is not possible

(B) Applicable in normal situations if the communication with the principal is possible

(C) Unknown to the law of agency

(D) None of the above

Ans : (A)

71. A gives woolen cloth to B, a tailor, for making a suit. The tailor's charges are settled at Rs. 500. After the suit is ready, A tenders Rs. 500 for the charges but the tailor refuses to deliver the suit till A pays an old due. In such case—

(A) B can refuse to deliver the suit

- (B) B cannot refuse to deliver the suit
- (C) B can refuse in certain circumstances
- (D) B can sell the suit

Ans : (B)

72. Which of the following is correct ?

- (A) Pledge made by a person having a limited interest is valid to the extent of that interest
- (B) Pledge made by a person under voidable contract is valid
- (C) Pledge made by a mercantile agent is valid
- (D) Goods may be pledged by the servant in the absence of owner

Ans : (A)

73. Assertion (A) : The liability of the surety is coextensive with that of the principal debtor unless it is otherwise provided by the contract.

Reason (R) : Any variance, made without the surety's consent, in the terms of the contract between the principal debtor and the creditor, discharges the surety as to transactions subsequent to variance.

Codes :

- (A) Both A and R are true and R is the correct explanation of A
- (B) Both A and R are true but R is not the correct explanation of A
- (C) A is true but R is false
- (D) A is false but R is true

Ans : (B)

74. A without the request of anybody extinguishes the fire of B's godown. A suffers injury thereby. B promises to compensate A for the whole amount he has spent for his treatment. The contract is—

- (A) Unenforceable
- (B) Void
- (C) Voidable
- (D) Enforceable

Ans : (D)

75. Promissory estoppel is sometimes spoken of as a substitute for—

- (A) Novation
- (B) Quasi-contract

(C) Consideration

(D) Coercion

Ans : (B)

76. X, a trader, leaves goods at Y's house by mistake. If Y uses the goods, then which one of the following is correct when X demands the price of goods and Y refuses to pay ?

(A) Y is not bound to pay as he becomes the owner of the goods left at his home

(B) Y is bound to pay as X did not intend to supply goods gratuitously and Y enjoyed the benefits of X's act

(C) Y is not bound to pay as he did not ask for the goods

(D) X must suffer for his mistake and he cannot recover the price of goods from Y

Ans : (B)

77. X contracted with a tent house for erecting a shamiana for performing the marriage of his daughter. On the day of marriage, a curfew was clamped in the area preventing the celebration of the marriage. The shamiana owner claims the charges agreed to be paid by X. In the light of the above, which one of the following is correct ?

(A) X has to pay the contracted charges

(B) X need not pay the agreed charges but only reasonable charges

(C) X can require the State to bear the claim for damages

(D) X need not pay anything as the celebration of the marriage was impossible on account of the curfew

Ans : (D)

78. In which of the following instances has the discharge of agreement not been effected ?

(A) A promises to paint a picture for B. B afterwards forbid him to do so

(B) A owes B Rs. 5,000. C pays to B Rs. 1,000 which B accepts in satisfaction of his claim against A

(C) A awaits arrival of B to finish the painting for B

(D) A owes B Rs. 2,000 and is also indebted to other creditors. A makes an arrangement with his creditors, including B, to pay them, half of the loan amount. A pays to B Rs. 1,000

Ans : (C)

79. A contingent contract based on the specified uncertain event not happening within a fixed time—

- (A) Can be enforced if the event does not happen within the fixed time
- (B) Cannot be enforced at all, being void
- (C) Can be enforced if before the expiry of fixed time, it becomes certain that such an event shall not happen
- (D) Both (A) and (C)

Ans : (D)

80. Which one of the following is a contract ?

- (A) An agreement to do a lawful act by an unlawful means
- (B) An undertaking in writing duly signed to pay the timebarred debt
- (C) An agreement in restraint of a lawful trade
- (D) An agreement to pay Rs. 10,000 without consideration

Ans : (B)

1. Green colour of leaves is due to the presence of—

- (A) Iron
- (B) Chlorophyll
- (C) Etiolin
- (D) None of these

Ans : (B)

2. Purity of Milk is measured by—

- (A) Hydrometer
- (B) Manometer
- (C) Lactometer
- (D) Thermometer

Ans : (C)

3. Who invented Dynamite ?

- (A) Neil Bohr
- (B) Alfred Nobel
- (C) Homi Bhabha
- (D) Lord Chelmsford

Ans : (B)

4. In which state is Khajuraho situated ?

- (A) Rajasthan
- (B) Madhya Pradesh
- (C) Orissa
- (D) Maharashtra

Ans : (B)

5. World's largest bird, which can run very fast, is—

- (A) Ostrich
- (B) Emu
- (C) Kiwi
- (D) Penguin

Ans : (A)

6. How many Judges are there in International Court of Justice ?

- (A) 11
- (B) 10
- (C) 15
- (D) 9

Ans : (C)

7. In which year the man first landed on Moon ?

- (A) 1968
- (B) 1969
- (C) 1970
- (D) 1971

Ans : (B)

8. Radar was invented by—

- (A) J. L. Baird
- (B) Graham Bell
- (C) George Eastman
- (D) R. W. Watt

Ans : (D)

9. Which country's currency is 'Kyat' ?

- (A) Thailand
- (B) Malaysia
- (C) Myanmar
- (D) Israel

Ans : (C)

10. Pituitary gland is present—

- (A) Below the brain
- (B) Above the brain
- (C) Inside the brain
- (D) Not near the brain

Ans : (A)

11. Manas Wildlife Sanctuary is located in which state ?

- (A) Gujarat
- (B) Madhya Pradesh
- (C) Assam
- (D) Uttar Pradesh

Ans : (C)

12. Rajghat Dam is situated on which river ?

- (A) Chambal
- (B) Sutlej
- (C) Betwa
- (D) Narmada

Ans : (C)

13. Which is the largest continent of the world ?

- (A) Australia
- (B) Asia
- (C) North America
- (D) Africa

Ans : (B)

14. Salim Ali was associated with ?

- (A) Horology

- (B) Entomology
- (C) Ornithology
- (D) Parasitology

Ans : (C)

15. Trachoma is the disease of which organ ?

- (A) Throat
- (B) Eyes
- (C) Liver
- (D) Lungs

Ans : (B)

16. Which gas is used in preparation of Soda Water ?

- (A) Carbon monoxide
- (B) Chlorine
- (C) Carbon dioxide
- (D) Carbon

Ans : (C)

17. 'Universal Donor' belongs to blood group—

- (A) O
- (B) A
- (C) B
- (D) AB

Ans : (A)

18. Viruses lack—

- (A) Proteins
- (B) Enzymes
- (C) Nucleic Acids
- (D) Tentacles

Ans : (B)

19. Mammal which can fly—

- (A) Whale
- (B) Bat
- (C) Snake

(D) Hen

Ans : (B)

20. Which king constructed the 'Sanchi Stupa' ?

(A) Bimbisara

(B) Ashoka

(C) Pushyamitra Shung

(D) Kanishka

Ans : (B)

21. In which state is the Kudremukh Iron Ore Scheme situated ?

(A) Kerala

(B) Karnataka

(C) Tamil Nadu

(D) Maharashtra

Ans : (B)

22. In which country is Angle Waterfall situated ?

(A) America

(B) Venezuela

(C) Canada

(D) Australia

Ans : (B)

23. Which country is called the 'Land of Setting Sun' ?

(A) Japan

(B) Indonesia

(C) Britain

(D) New Zealand

Ans : (C)

24. How much % of Nitrogen is present in Atmosphere ?

(A) 10%

(B) 33%

(C) 50%

(D) 78%

Ans : (D)

25. The iron ore mined from Belaidila is exported to which country ?

- (A) Japan
- (B) Russia
- (C) England
- (D) Iran

Ans : (A)

26. Which River flows between the Vindhya and Satpura mountain ranges ?

- (A) Godavari
- (B) Narmada
- (C) Tapi
- (D) Chambal

Ans : (B)

27. In which state cashew production is the highest ?

- (A) Maharashtra
- (B) Goa
- (C) Kerala
- (D) Karnataka

Ans : (C)

28. Which of the following is not a fresh water fish ?

- (A) Cod
- (B) Eel
- (C) Salmon
- (D) Trout

Ans : (A)

29. Scientific study of fishes is called—

- (A) Herpetology
- (B) Lepidopteriology
- (C) Ichthyology
- (D) Ornithology

Ans : (C)

30. In which state the Dafla and Sinhpo tribes are found ?

- (A) Himachal Pradesh
- (B) Madhya Pradesh
- (C) Andhra Pradesh
- (D) Arunachal Pradesh

Ans : (D)

31. The most important reason for population explosion in India is—

- (A) Urbanisation
- (B) Increase in birth-rate
- (C) Decrease in death-rate
- (D) Improvement in health facilities

Ans : (D)

32. How much percentage of Protein is present in Soyabean ?

- (A) 30%
- (B) 40%
- (C) 50%
- (D) 60%

Ans : (B)

33. What is Kharpatwar ?

- (A) Harmful and unwanted (Weeds) plants grown in cultivated crops
- (B) Unwanted plants on Soil
- (C) Harmful grass in Rice Harvest
- (D) Useless grass on agricultural land

Ans : (A)

34. Central Rice Research Institute is located at—

- (A) Chennai
- (B) Cuttak
- (C) Kolkata
- (D) Rajendranagar

Ans : (B)

35. In India which harvest in highest average product per Hectare ?

- (A) Maize
- (B) Wheat

(C) Bajra

(D) Rice

Ans : (D)

36. At present how many states and centrally administered territories are there in Indian Union ?

(A) 25, 8

(B) 24, 8

(C) 28, 7

(D) 26, 8

Ans : (C)

37. In Rajya Sabha elected members of which state are in greatest number ?

(A) Andhra Pradesh

(B) Madhya Pradesh

(C) Bihar

(D) Uttar Pradesh

Ans : (D)

38. So far who has won the Lok Sabha seat with highest number of votes ?

(A) Indira Gandhi

(B) Jawahar Lal Nehru

(C) Ram Vilas Paswan

(D) P. V. Narsimha Rao

Ans : (D)

39. Which state in India first started Employment Guarantee Programme ?

(A) West Bengal

(B) Gujarat

(C) Kerala

(D) Maharashtra

Ans : (D)

40. Breeder Seed is which stage of Seed Production Cycle ?

(A) Second

(B) First

(C) Third

(D) Fourth

Ans : (B)

41. Which is the biggest Trade Union of India ?

(A) BMS

(B) CITU

(C) INTUC

(D) AITUC

Ans : (A)

42. Steel Ball floats on mercury, because—

(A) Nothing can sink in mercury

(B) Density of mercury is higher than steel

(C) Density of steel is higher than mercury

(D) Ball can not float

Ans : (B)

43. Sun Light takes.....time to reach the earth.

(A) 8 seconds

(B) 8 years

(C) 8 minutes

(D) 4 minutes

Ans : (C)

44. pH value of pure water is—

(A) 14

(B) 2

(C) 7

(D) 9

Ans : (C)

45. It burns with blue flame—

(A) Nitrogen

(B) Hydrogen

(C) Sulphur dioxide

(D) Carbon monoxide

Ans : (A)

46. Deficiency of which vitamin causes Night Blindness ?

- (A) Vitamin A
- (B) Vitamin B1
- (C) Vitamin C
- (D) Vitamin D

Ans : (A)

47. Which organ of body is affected first by Nuclear Radiation ?

- (A) Liver
- (B) Lungs
- (C) Bone Marrow
- (D) Brain

Ans : (C)

48. How many chromosomes are there in a Bacteria ?

- (A) One
- (B) Two
- (C) Many
- (D) Not even one

Ans : (A)

49. Whose milk contains highest protein content ?

- (A) Cow
- (B) Goat
- (C) Sheep
- (D) Buffalo

Ans : (C)

50. With which area Dr. V. J. Curian is connected ?

- (A) Animal Husbandry
- (B) Milk Development Industry
- (C) Plant Protection
- (D) None of the above

Ans : (B)

51. Find out that smallest number which is fully divisible by 6, 10, 15 and 18—

- (A) 800
- (B) 900
- (C) 1,000
- (D) 1020

Ans : (B)

52. When is 'World Health Day' celebrated ?

- (A) 12 December
- (B) 7 April
- (C) 10 October
- (D) 23 May

Ans : (B)

53. Which world renowned Mountain peak is called 'Sagar Matha' ?

- (A) Everest
- (B) Nanda Devi
- (C) K2
- (D) Kanchenjunga

Ans : (A)

54. In India, which city is called 'Sun City' ?

- (A) Puri
- (B) Kohima
- (C) Jodhpur
- (D) Kanyakumari

Ans : (C)

55. In which area is Bhatnagar Prize given ?

- (A) Sports
- (B) Film
- (C) Science and Technology
- (D) Literature

Ans : (C)

56. How many spokes (Tilian) are there in the wheel in India's National Flag ?

- (A) 20
- (B) 22

(C) 24

(D) 25

Ans : (C)

57. Which of the following separates Daman from Diu ?

(A) Mahi River

(B) Rann of Kachha

(C) Narmada River

(D) Gulf of Khambhat

Ans : (D)

58. Of the following countries which is situated in the 'Horn of Africa' ?

(A) Tunisia

(B) Somalia

(C) Kenya

(D) Sudan

Ans : (B)

59. World's Wild Ass is found only in—

(A) Rann of Kachchh

(B) Chhota Nagpur

(C) Ladakh

(D) Sunderbans

Ans : (A)

60. Indian Space Research Institute's Satellite Tracking and Ranging Station is located at—

(A) Kawalur

(B) Hassan

(C) Sriharikota

(D) Ahmedabad

Ans : (B)

61. What is the name of India's first fast breeder Neutron Reactor located at Kalpakkam ?

(A) Apsara

(B) Dhruv

(C) Poornima

(D) Kamini

Ans : (D)

62. Of which famous woman's 'autobiography' is 'Golden Girl' ?

(A) Amrita Shergil

(B) P. T. Usha

(C) Lata Mangeshkar

(D) Nargis Dutt

Ans : (B)

63. What is Tejas ?

(A) Ultramodern Radar

(B) Ultramodern Fighter Battleship

(C) Light Combat Aeroplane

(D) Remote Sensing System

Ans : (C)

64. Sharda Act is related to—

(A) Child Marriage

(B) Sati Pratha

(C) Widow Remarriage

(D) Child Killings

Ans : (A)

65. Out of the following which is concerned with 'El Nino' ?

(A) Labrador Current

(B) Benguela Current

(C) Humboldt Current

(D) Kuro Shiwo Current

Ans : (C)

66. Which separates the main land of India from Rameshwaram Island ?

(A) Pamban Channel

(B) 9□□Channel

(C) 10□□Channel

(D) Palk Strait

Ans : (A)

67. What are the main constituents of Biogas ?

- (A) Methane + Carbon dioxide
- (B) Nitrogen + Butane
- (C) Ethane + Butane
- (D) Carbon dioxide

Ans : (A)

68. Who gave the name, 'Indian National Congress' ?

- (A) Dadabhai Naoroji
- (B) A. O. Hume
- (C) W. O. Bannerji
- (D) Dufrin

Ans : (A)

69. Which of the following gas produces 'Green House Effect' ?

- (A) CO
- (B) CO₂
- (C) Nitrogen
- (D) Nitric oxide

Ans : (B)

70. Which of the following is not a Free Trade Zone ?

- (A) Kandla
- (B) Falta
- (C) Santacruz
- (D) Pondicherry

Ans : (D)

71. Which of the following connects the Sikiyang Province of China and Pakistan Occupied Kashmir (POK) ?

- (A) Siachin road
- (B) Silk road
- (C) Goodwill road
- (D) Karakoram road

Ans : (D)

72. Starting from evening 8 O'clock to 2 O'clock at night how many times the hands of the clock shall make right angle ?

- (A) 6
- (B) 8
- (C) 11
- (D) 7

Ans : (C)

73. Who constructed the Jagannath Temple at Puri ?

- (A) Narsingh Burman
- (B) Parmeshwar Burman
- (C) Antburman Chodgang
- (D) Aadityaburman Chodgang

Ans : (C)

74. In which of the following the 'Gayatri Mantra' is included ?

- (A) Samveda
- (B) Rigveda
- (C) Yagyavalkya
- (D) Aitareya Upanishad

Ans : (B)

75. Enzymes are made mostly of the following—

- (A) Fats
- (B) Protein
- (C) Carbonic acids
- (D) Carbohydrate

Ans : (B)

76. Out of the following Shiv Samudram water-fall is situated on which River ?

- (A) Tungabhadra River
- (B) Narmada River
- (C) Kaveri River
- (D) Chambal River

Ans : (C)

77. In India which of the following has the longest Railway Division ?

- (A) Eastern Railway
- (B) Western Railway
- (C) Northern Railway
- (D) Central Railway

Ans : (D)

78. When was life originated on Earth ?

- (A) 300 million years ago
- (B) 3500 million years ago
- (C) 1000 million years ago
- (D) 4500 million years ago

Ans : (B)

79. What is an Atomic Reactor ?

- (A) A Reservoir of Heavy Water
- (B) Atomic furnace in which nuclear fission produces heat
- (C) A Chemical Reservoir
- (D) An Atom Bomb

Ans : (B)

80. In Datia (M.P.) 'Kudau Singh Music School' was started in his memory. Kudau Singh was associated with which area of music ?

- (A) Bansuri
- (B) Tabla
- (C) Sitar
- (D) Mridang and Pakhawaj

Ans : (D)

81. What is Param 10,000 ?

- (A) Radar
- (B) Surface to Surface missile
- (C) Surface to Air missile
- (D) Computer

Ans : (D)

82. In Madhya Pradesh Panna is associated with—

- (A) Copper
- (B) Gold
- (C) Diamond
- (D) Mica

Ans : (C)

83. Who was the first Caliph ?

- (A) Imam Husain
- (B) Abu Bakr
- (C) Sulaiman
- (D) Constantine

Ans : (B)

84. India is the Chief Exporter of—

- (A) Coffee
- (B) Mica
- (C) Silk
- (D) Jute

Ans : (B)

85. Who wrote 'Arthashashtra' ?

- (A) Bana Bhatta
- (B) Kalidas
- (C) Kautilya
- (D) R. K. Narayan

Ans : (C)

86. Who wrote the book 'Wings of Fire' ?

- (A) Jawaharlal Nehru
- (B) Kuldeep Nayar
- (C) A. P. J. Abdul Kalam
- (D) J. B. Kriplani

Ans : (C)

87. Which is the National Anthem of India ?

- (A) Vande Mataram
- (B) Jana Gana Mana

(C) Sare Jahan Se Achchha Hindostan Hamara

(D) Jhanda Uncha Rahe Hamara

Ans : (B)

88. 'Kiwi' is the inhabitant of ?

(A) South Africa

(B) Indonesia

(C) Hungary

(D) New Zealand

Ans : (D)

89. Shambhu Maharaj was connected with—

(A) Painting

(B) Kathak dancing

(C) Film Music

(D) Photography

Ans : (B)

90. Who discovered Bacteria ?

(A) Jenner

(B) Leeuwenhock

(C) Linnaeus

(D) Ronald Ross

Ans : (B)

91. After India became independent who suggested that 'Indian National Congress' should be dissolved ?

(A) C. Rajgopalachari

(B) Mahatma Gandhi

(C) Acharya Kriplani

(D) Jai Prakash Narayan

Ans : (B)

92. Of the following dances which one is performed by single person ?

(A) Kuchipudi

(B) Bharat Natyam

(C) Odissi

(D) Mohiniattam

Ans : (D)

93. Who called 'Britain is a nation of shop-keepers' ?

(A) Mussolini

(B) Hitler

(C) Napoleon

(D) Garibaldi

Ans : (C)

94. Who founded, 'Servants of India Society' ?

(A) Pandit Hridaya Nath Kunjru

(B) Gopal Krishna Gokhale

(C) Bal Gangadhar Tilak

(D) Shrinivas Shastri

Ans : (B)

95. In which country were the 2008 Olympic Games held ?

(A) China

(B) Australia

(C) Spain

(D) England

Ans : (A)

96. Who was the first Indian Woman to swim across the English Channel ?

(A) Kamaljit Sandhu

(B) Rita Faria

(C) Arti Saha

(D) Shanta Rangaswami

Ans : (C)

97. When was the India's Communication Satellite INSAT-C3 was launched from Kourou in French Guiana ?

(A) February 28, 2000

(B) May 26, 1999

(C) March 22, 2000

(D) January 24, 2002

Ans : (D)

98. Which country is called the 'Playground of Europe' ?

- (A) France
- (B) Scotland
- (C) Netherland
- (D) Switzerland

Ans : (D)

99. When was the United Nations Organisation founded ?

- (A) October 20, 1945
- (B) June 16, 1945
- (C) November 11, 1944
- (D) October 24, 1945

Ans : (D)

100. Keil Canal links the following—

- (A) North Sea and Baltic Sea
- (B) Pacific Ocean and Atlantic Ocean
- (C) Mediterranean Sea and Red Sea
- (D) Mediterranean Sea and Black Sea

Ans : (A)

101. Name the Indian State having the least population—

- (A) Sikkim
- (B) Nagaland
- (C) Goa
- (D) Tripura

Ans : (A)

102. The Hijri Era (Calendar) started in—

- (A) 570 A.D.
- (B) 1129 A.D.
- (C) 622 A.D.
- (D) 712 A.D.

Ans : (C)

103. Which of the following is the indicator of Air Pollution ?

- (A) Cycas
- (B) Algae
- (C) Bryophytes
- (D) Lichens

Ans : (D)

104. During Dehydration from human body the substance which is usually lost is—

- (A) Sugar
- (B) Sodium Chloride
- (C) Calcium Phosphate
- (D) Potassium Chloride

Ans : (B)

105. Where is the Test Tube Baby (Egg) fertilised ?

- (A) Outside the body of mother
- (B) In the Test Tube
- (C) In the Testis of man
- (D) It does not take place

Ans : (B)

106. The well known discussion between Nachiketa and Yama is narrated in—

- (A) Kathopanishad
- (B) Kenopanishad
- (C) Mundakopanishad
- (D) Chhandogyopanishad

Ans : (A)

107. Haemophilia is a genetic diseases which is caused by—

- (A) Fall in Haemoglobin level
- (B) Rheumatic Heart
- (C) Absence of clotting of blood
- (D) White blood cells become less in number

Ans : (C)

108. In Indian Constitution in which 'Schedule' there is mention of antidefection laws ?

- (A) 10th Schedule
- (B) 8th Schedule
- (C) 2nd Schedule
- (D) 5th Schedule

Ans : (A)

109. In British period in India fast development of Industries did not take place, because—

- (A) Absence of Natural Resources
- (B) Absence of Foreign Capital
- (C) Absence of Heavy Industries
- (D) Wealthy people were disinterested in Industries

Ans : (B)

110. When ants bite they inject in human body, this substance which causes pain—

- (A) Glacial acetic acid
- (B) Formic acid
- (C) Methanol
- (D) Stearic acid

Ans : (B)

111. Out of the following pairs of States and Tribes which pair is not correct ?

- (A) Assam—Miri
- (B) Arunachal Pradesh—Apatani
- (C) Madhya Pradesh—Lebada
- (D) Nagaland—Konyak

Ans : (C)

112. Out of the following which acts as Biofertilizer for better Rice Harvest ?

- (A) Rhizobium sp.
- (B) Azotobacter sp.
- (C) Blue Green Algae
- (D) Kawak Mul Kawak

Ans : (C)

113. Song (Rag) which is sung in the morning, is—

- (A) Bhoopali

(B) Todi (Bhairavi)

(C) Darbari

(D) Bhimpalasi

Ans : (B)

114. Which is the correct sequence in order of ascending atomic weights of Hydrocarbons ?

(A) Propane, Butane, Ethane, Methane

(B) Methane, Ethane, Propane, Butane

(C) Butane, Propane, Ethane, Methane

(D) Butane, Propane, Methane, Ethane

Ans : (B)

115. Antigen is important for human body because it—

(A) Destroys harmful germs

(B) Is useful in treatment of poisons

(C) Reduces the body temperature

(D) Produces the antibodies

Ans : (D)

116. Night on Venus shall be of how many days ?

(A) 180 Earth days

(B) 135 Earth days

(C) 118 Earth days

(D) 50 Earth days

Ans : (C)

117. Who is associated with Discovery of Cristal Dynamics ?

(A) J. C. Bose

(B) C. V. Raman

(C) C. Ramanujam

(D) H. J. Bhabha

Ans : (B)

118. When an air bubble rises from the bottom of the lake and rises to the surface, its shape shall—

(A) Grow bigger

- (B) Become smaller
- (C) No change
- (D) Become saucer shaped

Ans : (A)

119. Total internal reflection takes place when the ray of light passes through—

- (A) Air to glass
- (B) Water to glass
- (C) Air to water
- (D) Diamond to glass

Ans : (D)

120. In liquor poisoning which results in blindness the dangerous substance is—

- (A) Methyl alcohol
- (B) Ethyl alcohol
- (C) Emyl alcohol
- (D) Benzyl alcohol

Ans : (A)

1. In a certain code DESPAIR is written as TFEQSJB. How is NUMERAL written in that code ?

- (A) OVNFMBBS
- (B) NVOFSBN
- (C) NVOMFBS
- (D) NVOFMBS
- (E) None of these

Ans : (D)

2. If it is possible to make only one meaningful word with the first, second, sixth and tenth letters of the word DISCLAIMER, which of the following will be the third letter from the left ? If no such word can be made, give 'X' as your answer and if more than one such words can be made, give 'Y' as the answer.

- (A) I
- (B) R
- (C) D
- (D) X
- (E) Y

Ans : (A)

3. How many such digits are there in the number 27561493 each of which is as far away from the beginning of the number as when the digits are arranged in descending order within the number ?

- (A) None
- (B) One
- (C) Two
- (D) Three
- (E) More than three

Ans : (B)

4. If 'yellow' is called 'red', 'red' is called 'blue', 'blue' is called 'white', 'white' is called 'black', 'black' is called 'green', and 'green' is called 'violet', what is the colour of clear sky ?

- (A) Green
- (B) Violet
- (C) Yellow

(D) Red

(E) None of these

Ans : (E)

5. It was 9•35 a.m. in Rakhi's watch, which kept correct time, when Reena informed her that the last bus left the bus stop at 9•25 a.m. Reena's watch is 5 minutes fast. The frequency of the bus is every 20 minutes. For how long Rakhi must wait to catch the next bus ?

(A) 5 minutes

(B) 10 minutes

(C) 15 minutes

(D) 25 minutes

(E) None of these

Ans : (A)

6. Which of the following should come next in the given sequence of numbers ?

2 4 3 2 4 3 1 2 4 3 1 2 2 4 3 1 2 3 2 4 3 1 2 3

(A) 2

(B) 3

(C) 4

(D) 5

(E) None of these

Ans : (C)

7. How many meaningful English words can be formed with the letters EDOM using each letter only once in each word ?

(A) None

(B) One

(C) Two

(D) Three

(E) More than three

Ans : (C)

8. Four of the following five are alike in a certain way and so form a group.

Which is the one that does not belong to that group ?

(A) Nephew

(B) Cousin

(C) Mother

(D) Brother

(E) Sister

Ans : (B)

9. How many pairs of letters are there in the word SECURITY each of which has as many alphabets between them as there are in the English alphabetical series ?

(A) None

(B) Two

(C) Three

(D) Four

(E) More than four

Ans : (C)

10. In a certain code STAR is written as 5\$*2 and TORE is written as \$32@. How is OATS written in that code ?

(A) 3*5\$

(B) 3*\$5

(C) 3\$*5

(D) 35*\$

(E) None of these

Ans : (B)

Directions—(Q. 11–15) In each of the questions below are given four statements followed by four conclusions numbered I, II, III and IV. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

11. Statements : Some doctors are lawyers. All teachers are lawyers. Some engineers are lawyers. All engineers are businessmen.

Conclusions :

I. Some teachers are doctors.

II. Some businessmen are lawyers.

III. Some businessmen are teachers.

IV. Some lawyers are teachers.

- (A) None follows
- (B) Only II follows
- (C) Only III follows
- (D) Only II and IV follow
- (E) None of these

Ans : (D)

12. Statements : All plastics are glasses. Some sponges are glasses. All sponges are clothes. All clothes are liquids.

Conclusions :

- I. All liquids are sponges.
- II. Some plastics are clothes
- III. All glasses are plastics
- IV. All liquids are clothes.

- (A) None follows
- (B) Only either II or IV follows
- (C) Only IV follows
- (D) Only III and IV follow
- (E) None of these

Ans : (A)

13. Statements : All sands are beaches. All shores are beaches. Some beaches are trees. All trees are hotels.

Conclusions :

- I. Some shores are hotels.
- II. All beaches are shores.
- III. Some beaches are hotels.
- IV. Some sands are trees.

- (A) None follows
- (B) Only II follows
- (C) Only either I or III follows
- (D) Only IV follows
- (E) None of these

Ans : (E)

14. Statements : All parrots are pigeons. Some crows are pigeons. Some sparrows are crows. All sparrows are koels.

Conclusions :

- I. Some koels are crows.
- II. Some parrots are crows.
- III. Some sparrows are pigeons.
- IV. No crow is a parrot.

- (A) Only I follows
- (B) Only III follows
- (C) Only I and either II or IV follow
- (D) Only either I or III follows
- (E) None of these

Ans : (C)

15. Statements : All chairs are tables. All tables are cushions. Some cushions are trolleys. All trolleys are lamps.

Conclusions :

- I. Some lamps are tables.
- II. Some trolleys are chairs.
- III. Some cushions are lamps.
- IV. All chairs are cushions.

- (A) Only I follows
- (B) Only III and IV follow
- (C) Only either I or II follows
- (D) All follow
- (E) None of these

Ans : (B)

Directions—(Q. 16–20) Study the following information carefully and answer the given questions—

A, B, C, D, E, F, G and H are eight friends sitting around a circular table facing the centre. A sits second to the left of D who is third to the left of E. C sits third to the right of G who is not an immediate neighbour of E. H sits third to the right of B who sits second of the right of G.

16. Who sits between D and C ?

- (A) Only B
- (B) Only C and A

- (C) Only G
- (D) Only E
- (E) Only G and E

Ans : (A)

17. Who sits second to the right of E ?

- (A) B
- (B) F
- (C) G
- (D) C
- (E) None of these

Ans : (B)

18. What is the position of A with respect to H ?

- (A) Third to the left
- (B) Third to the right
- (C) Second to the left
- (D) Second to the right
- (E) Fourth to the left

Ans : (D)

19. Four of the following five are alike based upon their seating arrangements and so form a group. Which is the one that does not belong to that group ?

- (A) CH
- (B) FG
- (C) DA
- (D) BE
- (E) GB

Ans : (C)

20. Which of the following pairs has the second person sitting to the immediate left of the first person ?

- (A) DB
- (B) EH
- (C) FA
- (D) GD
- (E) None of these

Ans : (E)

Directions—(Q. 21–25) These questions are based on the following letter/number/symbol arrangement. Study it carefully and answer the questions.

8 # B 2 © E K 7 % 5 A 1 \$ G D 9 4 U * C 6 H @ I 3

21. How many such numbers are there in the above arrangement each of which is immediately preceded by a consonant and also followed by a symbol ?

- (A) None
- (B) One
- (C) Two
- (D) Three
- (E) More than three

Ans : (D)

22. Which of the following should replace the question mark in the following series based on the above arrangement ?

2EK, %A1, G94, ?

- (A) *6H
- (B) UC6
- (C) *CH
- (D) *6@
- (E) None of these

Ans : (A)

23. Which of the following is the fifth to the left of seventeenth from the left end of the arrangement ?

- (A) \$
- (B) G
- (C) A
- (D) D
- (E) None of these

Ans : (E)

24. If all the numbers are deleted from the above arrangement, which of the following will be the twelfth from the right end ?

- (A) %

- (B) K
- (C) *
- (D) C
- (E) None of these

Ans : (B)

25. How many such symbols are there in the above arrangement each of which is immediately preceded by a number and also immediately followed by a letter ?

- (A) None
- (B) One
- (C) Two
- (D) Three
- (E) More than three

Ans : (D)

Directions—(Q. 26–30) Read the following information carefully and answer the questions, which follow :

'P ÷ Q' means 'P is son of Q'.

'P × □ Q' means 'P is sister of Q'.

'P + Q' means 'P is brother of Q'.

'P – Q' means 'P is mother of Q'.

26. How is T related to S in the expression 'T × □ R + V ÷ S' ?

- (A) Sister
- (B) Mother
- (C) Aunt
- (D) Uncle
- (E) None of these

Ans : (E)

27. How is T related to S in the expression 'T × □ R ÷ V – S' ?

- (A) Father
- (B) Sister
- (C) Daughter
- (D) Aunt
- (E) None of these

Ans : (B)

28. How is S related to T in the expression 'T + R - V + S' ?

- (A) Uncle
- (B) Nephew
- (C) Son
- (D) Cannot be determined
- (E) None of these

Ans : (D)

29. Which of the following means that 'S is the husband of T' ?

- (A) $T \times R - V + S$
- (B) $T - R \div V \times S$
- (C) $T - R + V \div S$
- (D) $T \div R \times V + S$
- (E) None of these

Ans : (C)

30. How is V related to T in the expression 'T ÷ R + V × S' ?

- (A) Aunt
- (B) Nephew
- (C) Niece
- (D) Uncle
- (E) None of these

Ans : (A)

Directions—(Q. 31–35) Each of the questions below consists of a question and two statements numbered I and II are given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and Give answer—

- (A) If the data in Statement I alone are sufficient to answer the question, while the data in Statement II alone are not sufficient to answer the question.
- (B) If the data in Statement II alone are sufficient to answer the question, while the data in Statement I alone are not sufficient to answer the question.
- (C) If the data in Statement I alone or in Statement II alone are sufficient to answer the question.
- (D) If the data in both the Statements I and II are not sufficient to answer the

question.

(E) If the data in both the Statements I and II together are necessary to answer the question.

31. How is A related to B ?

I. A is sister-in-law of C who is the daughter-in-law of B who is the wife of D.

II. B is the mother of A's son's only uncle's son.

Ans : (B)

32. Amongst A, B, C, D, E and F each are having a different height, who is the shortest ?

I. C is shorter than only B.

II. A is taller than only D and F.

Ans : (D)

33. Point X is in which direction with respect to Y ?

I. Point Z is at equal distance from both point X and point Y.

II. Walking 5 km to the East of point X and taking two consecutive right turns after walking 5 kms before each turn leads to point Y.

Ans : (D)

34. How is 'must' written in a code language ?

I. 'you must see' is written as 'la pa ni' and 'did you see' is written as 'jo ni pa' in that code language.

II. 'you did that' is written as 'pa si jo' in that code language.

Ans : (A)

35. On which day of the week does Arti's birthday fall ?

I. Sonu correctly remembers that Arti's birthday falls after Wednesday but before Sunday.

II. Raj correctly remembers that Arti's birthday falls before Friday but after Tuesday.

Ans : (E)

Directions—(Q. 36–40) Below in each question are given two statements I and II.

These statements may be either independent causes or may be effects of

independent causes or a common cause. One of these statements may be the effect

of the other statement. Read both the statements and decide which of the following answer choice correctly depicts the relationship between these two statements.

Mark answer—

- (A) If statement I is the cause and statement II is its effect.
- (B) If statement II is the cause and statement I is its effect.
- (C) If both the statements I and II are independent causes.
- (D) If both the statements I and II are effects of independent causes.
- (E) If both the statements I and II are effects of some common cause.

36. I. Computer education has been made compulsory for all the classes by many schools.

II. The current job market prefers computer literate workforce.

Ans : (B)

37. I. The standard of education in evening colleges of the State has been deteriorating.

II. The standard of school education has been fast deteriorating in the State.

Ans : (E)

38. I. All domestic airlines increased the fares in all sectors with immediate effect.

II. Railways increased the fare of all its classes with immediate effect.

Ans : (E)

39. I. The prices of fruits and vegetables fell substantially over the last few days.

II. The quality of fruits and vegetables improved considerably over the last few days.

Ans : (D)

40. I. Recent floods in the area changed the nutritional contents of the soil.

II. Farmers in the area switched over to cultivating rice instead of wheat.

Ans : (A)

Directions—(Q. 41–45) In the following questions, the symbols #, \$, %, * and @ are used with the following meaning as illustrated below :

'A # B' means 'A is not greater than B'.

'A \$ B' means 'A is neither smaller nor equal to B'.

'A % B' means 'A is neither smaller nor greater than B'.

'A * B' means 'A is neither greater nor equal to B'.

'A @ B' means 'A is not smaller than B'.

Now in each of the following questions assuming the given statements to be true, find which of the two conclusions I and II given below them is/are definitely true and give your answer accordingly. Mark answer—

(A) If only conclusion I is true.

(B) If only conclusion II is true.

(C) If either conclusion I or II is true.

(D) If neither conclusion I nor II is true.

(E) If both conclusion I and II are true.

41. Statements :

A # B, B % C, C * D

Conclusions :

I. C @ A

II. A # D

Ans : (A)

42. Statements :

P \$ Q, Q @ S, S % R

Conclusions :

I. P @ R

II. R \$ Q

Ans : (D)

43. Statements :

W * X, X # Y, Y \$ Z

Conclusions :

I. W * Z

II. W @ Z

Ans : (C)

44. Statements :

G @ H, H \$ J, J % K

Conclusions :

I. K * G

II. J * G

Ans : (E)

45. Statements :

N @ M, M \$ P, P # T

Conclusions :

I. T # N

II. P * N

Ans : (B)

Directions—(Q. 46–50) Study the following information carefully and answer the given questions :

A, B, C, D, E, F and G are seven friends studying seven different branches of engineering, namely Mechanical, Chemical, Electrical, Electronics, Civil, Computer and Aeronautical Engineering, not necessarily in this order. Each of them studies in three different colleges, X, Y and Z. Not less than two study in any college. D studies Electrical engineering in College X. The one who studies Chemical Engineering does not study in college Z. F studies Aeronautical engineering in college Y with only B. A does not study in college X and does not study Civil engineering. E studies Computer engineering and does not study in college X. G studies Electronics engineering but not in college X. None in college X studies Mechanical or Civil engineering.

46. Which of the following groups represents the persons studying in college Z ?

(A) D, B

(B) C, E, G

(C) A, G

(D) G, E, A

(E) None of these

Ans : (D)

47. In which of the following colleges does C study ?

- (A) X
- (B) Y
- (C) Z
- (D) Either X or Z
- (E) Cannot be determined

Ans : (A)

48. Which of the following combinations is correct ?

- (A) A—Civil—Z
- (B) B—Chemical—Y
- (C) C—Chemical—Z
- (D) G—Electronics—Y
- (E) None of these

Ans : (E)

49. B studies in which of the following branches of engineering ?

- (A) Chemical
- (B) Mechanical
- (C) Civil
- (D) Cannot be determined
- (E) None of these

Ans : (C)

50. Who studies Chemical engineering ?

- (A) B
- (B) C
- (C) E
- (D) A
- (E) None of these

Ans : (B)

1. In a certain code 'PLANT' is written as '\$@2*©' and 'YIELD' is written as 'β64@%'. How is 'DELAY' written in that code ?

- (A) β4*2%
- (B) β4@2%
- (C) %42@β
- (D) %4@2β
- (E) None of these

Ans : (D)

2. How many meaningful English words can be formed with the letters ARILT using each letter only once in that word ?

- (A) None
- (B) One
- (C) Two
- (D) Three
- (E) More than three

Ans : (C)

3. D said, "A's father is the only brother of my sister's son." How is A's father related to D ?

- (A) Cousin
- (B) Nephew
- (C) Aunt
- (D) Data Inadequate
- (E) None of these

Ans : (B)

Directions—(Q. 4–6) The following questions are based on the five three digit numbers given below—

394 632 783 576 895

4. If the positions of the first and the second digit within each number are interchanged, which of the following will be the second highest number ?

- (A) 632
- (B) 783

(C) 576

(D) 895

(E) 394

Ans : (E)

5. If the first and second digits of each of the numbers are added the resulting sum of which of the following numbers will not be exactly divisible by 3 ?

(A) 895

(B) 394

(C) 576

(D) 632

(E) 783

Ans : (A)

6. If 2 is added to the last digit of each number and then the positions of the first and the third digits are interchanged, which of the following will be the highest number ?

(A) 576

(B) 895

(C) 783

(D) 394

(E) 632

Ans : (A)

7. If 'A' is coded as 1, 'B' as 3, 'C' as 5 and so on, which of the following is the numerical value of the word 'FAZED' ?

(A) 81

(B) 79

(C) 77

(D) 80

(E) None of these

Ans : (B)

8. Which of the following pairs of words have the same relationship as FAN : HEAT ?

(A) Water : Drink

(B) Light : Night

(C) Teach : Student

(D) Air : Breathe

(E) Food : Hunger

Ans : (B)

9. Q types faster than R but not as fast as V. T types faster than R S types faster than V. Who amongst the five of them types the fastest ?

(A) V

(B) T

(C) S

(D) Data Inadequate

(E) None of these

Ans : (D)

10. If 'B xC' means 'B, is the daughter of C', 'B + C' means 'B is the husband of C' and 'B - C' means 'B is the sister of C', then what does 'M + N - P xQ' mean ?

(A) M is the brother-in-law of Q

(B) M is the uncle of Q

(C) M is the son-in-law of Q

(D) M is the mother-in-law of Q

(E) None of these

Ans : (C)

Directions—(Q. 11–17) Read the following passage carefully and answers the questions given below it—

A group of seven friends, A, B, C, D, E, F and G work as Economist, Agriculture Officer, IT Officer, Terminal Operator, Clerk, Forex Officer and Research Analyst, for Banks L, M, N; P, Q, R and S but not necessarily in the same order. C works for Bank N and is neither a Research Analyst nor a Clerk. E is an IT Officer and works for Bank R. A works as Forex Officer and does not work for Bank L or Q. The one who is an Agriculture Officer works for Bank M. The one who works for Bank L works as a Terminal Operator. F works for Bank Q. G works for Bank P as a Research Analyst. D is not an Agriculture Officer.

11. Who amongst the following works as an Agriculture Officer ?

(A) C

- (B) B
- (C) F
- (D) D
- (E) None of these

Ans : (B)

12. What is the profession of C ?

- (A) Terminal operator
- (B) Agriculture Officer
- (C) Economist
- (D) Cannot be determined
- (E) None of these

Ans : (C)

13. For which Bank does B work ?

- (A) M
- (B) S
- (C) L
- (D) Either M or S
- (E) None of these

Ans : (A)

14. What is the profession of the person who works for Bank S ?

- (A) Clerk
- (B) Agriculture Officer
- (C) Terminal Operator
- (D) Forex Officer
- (E) None of these

Ans : (D)

15. For which Bank does D work ?

- (A) Q
- (B) L
- (C) N
- (D) S
- (E) None of these

Ans : (B)

16. Who amongst the following works as a Clerk ?

- (A) C
- (B) B
- (C) F
- (D) D
- (E) None of these

Ans : (C)

17. Which of the following combinations of person, profession and bank is correct ?

- (A) A-Forex Officer-M
- (B) D-Clerk-L
- (C) F-Agriculture Officer-Q
- (D) B-Agriculture Officer-S
- (E) None of these

Ans : (E)

Directions—(Q. 18–23) In each of the questions below are given four statements followed by four conclusions numbered I, II, III and IV. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

18. Statements :

Some stones are rocks.

All rocks are boulders.

Some boulders are mountains.

All hills are mountains.

Conclusions :

I. Some stones are mountains.

II. Some hills are boulders.

III. Some boulders are stones.

IV. All mountains are hills.

- (A) None follows
- (B) Only II follows

(C) Only II and III follow

(D) Only III follows

(E) None of these

Ans : (D)

19. Statements :

All arrows are bows.

All bows are swords.

Some swords are daggers.

All daggers are knives.

Conclusions :

I. All knives are bows.

II. Some swords are knives.

III. All bows are arrows.

IV. All arrows are swords.

(A) Only II follows

(B) Only II and IV follow

(C) Only III and IV follow

(D) Only I and III follow

(E) None of these

Ans : (B)

20. Statements :

Some pianos are violins.

Some violins are drums.

All drums are guitars.

No guitar is a flute.

Conclusions :

I. Some guitar are pianos.

II. Some drums are flutes.

III. Some pianos are drums.

IV. No flute is a drum.

(A) None follows

(B) Only I follows

(C) Only either II or IV follows

(D) Only IV follows

(E) None of these

Ans : (D)

21. Statements :

Some airplane are helicopters.

All helicopters are gliders.

All gliders are kites.

All kites are balloons.

Conclusions :

I. Some helicopters are balloons.

II. All kites are airplanes.

III. All balloons are gliders.

IV. All helicopters are kites.

(A) Only IV follows

(B) Only either II or III follow

(C) Only III follows

(D) Only I follows

(E) None of these

Ans : (A)

22. Statements :

All kings are warriors.

All soldiers are warriors.

All sentries are warriors.

Some sentries are soldiers.

Conclusions :

I. Some sentries are kings.

II. All warriors are soldiers.

III. Some warriors are sentries.

IV. Some soldiers are kings.

(A) None follows

(B) Only I follows

(C) Only II follows

(D) Only II and III follow

(E) None of these

Ans : (E)

23. Statements :

All plastics are glasses.

Some glasses are wood.

Some woods are metals.

All metals are cloths.

Conclusions :

I. Some cloths are wood.

II. Some woods are both cloths and glasses.

III. Some glasses are plastics.

IV. Some cloths are metals.

(A) None follows

(B) All follow

(C) Only II and IV follow

(D) Only I and II follow

(E) None of these

Ans : (B)

Directions—(Q. 24–25) Read the information given below carefully and then answer the questions that follow. In a certain code language :

I. 'she likes apples' is written as 'pic sip dip'.

II. 'parrot likes apples lots' is written as 'dip pic tif nit'.

III. 'she likes parrots' is written as 'tif sip dip'.

24. How is 'parrot' written in that code language ?

(A) pic

(B) dip

(C) tif

(D) Cannot be determined

(E) None of these

Ans : (C)

25. Which of the following statements is not necessary in order to answer the above question ?

(A) I

(B) II

(C) III

(D) All are required

(E) Either II or III

Ans : (B)

Directions—(Q. 26–30) Study the following arrangement carefully and answer the questions given below :

S M P 6 3 * \$ A 4 L N @ Z 5 # V U 7 E 8 B % T Y X G 2 I & 9 W

26. Which of the following is the third to the left of the fifteenth from the left end ?

- (A) @
- (B) 5
- (C) 7
- (D) U
- (E) None of these

Ans : (A)

27. How many such consonants are there in the above arrangement each of which is immediately followed by an even number and preceded by a symbol ?

- (A) None
- (B) One
- (C) Two
- (D) Three
- (E) More than three

Ans : (A)

28. What should come in place of the question-mark (?) in the following series based on the above arrangement ?

P M 3 A \$ L Z @ # ?

- (A) U V E
- (B) V # E
- (C) 7 U 8
- (D) V 7 #
- (E) None of these

Ans : (C)

29. Four of the following five are alike in a certain way based on their position in the above arrangement and hence form a group.

Which is the one that does not belong to that group ?

- (A) A 4 *
- (B) T B Y
- (C) 9 I W
- (D) V 5 U
- (E) P S 6

Ans : (A)

30. How many such numbers are there in the above arrangement each of which is immediately followed by a vowel and immediately preceded by a consonant ?

- (A) None
- (B) One
- (C) Two
- (D) Three
- (E) More than three

Ans : (B)

Directions—(Q. 31–35) Below in each question are given two statements I and II.

These statements may be either independent causes or may be effects of independent causes or a common cause. One of these statements may be the effect of the other statement. Read both the statements and then decide which of the following answer choice correctly depicts the relationship between these two statements. Mark answer—

- (A) if statement I is the cause and statement II is its effect.
- (B) if statement II is the cause and statement I is its effect.
- (C) if both statement I and II are independent causes.
- (D) if both statements I and II are effects of independent causes.
- (E) if both statement I and II are effects of some common cause.

31. I. The government has amended tax laws to boost exports.

II. The export sector has been passing through difficult times due to heavy tax burdens.

Ans : (B)

32. I. Budgetary allocation for building a better railway network e.g. constructing new railway lines has increased.

II. There has been a substantial drop in the number of passenger opting for air travel.

Ans : (D)

33. I. The production of pulses has dropped for the third consecutive year.

II. India has decided to import pulses this year.

Ans : (A)

34. I. The Bank has provided a link on its website to obtain feed-back from customers.

II. Customers have been complaining about poor services in the Bank's branches.

Ans : (B)

35. I. Indian citizens are willing to incur the cost of using environment friendly technology.

II. Many countries are taking steps to cut their carbon emissions.

Ans : (E)

Directions—(Q. 36–40) Below is given a passage followed by several possible inferences which can be drawn from the facts stated in the passage. You have to examine each inference separately in the context of

the passage and decide upon the degree of its truth or falsity. Mark answer—

(A) if the inference is 'definitely true' i.e. it properly follows from the statements of facts given.

(B) if the inference is 'probably true' though not 'definitely true' in the light of the facts given.

(C) if the 'data are inadequate' i.e. from the facts given you cannot say whether the data is likely to be true or false.

(D) if the inference is 'probably false' though not 'definitely false' in the light of the facts given.

(E) if the inference is 'definitely false' i.e. it cannot be drawn from the given facts or contradicts the given facts.

The pace of recruitment has unmistakably picked up in the last few months. After two abysmal quarters the business sentiment has turned positive. A flurry of hiring activity has been observed across the manufacturing sector and the IT and ITES sector catering to telecom and legal process outsourcing. The advent of new players and an aggressive expansion of telecom giants has seen a bullish outlook for the industry with a promise of exponential growth. But is the worst over for businesses across the spectrum ? Firms are going back to the drawing board and

dusting off their plans to see if there is scope for atleast incremental hiring in specific domains where they want to build expertise. Besides that there are few signs to show that there is a broad based revival in the market.

36. Companies in various sectors have projected higher business growth in the near future.

Ans : (B)

37. The telecom sector has experienced negative growth in the past few years.

Ans : (D)

38. Many companies in the manufacturing sector have decided to reduce their fresh intake of employees.

Ans : (C)

39. Persons with legal qualifications and expertise will earn more in the future.

Ans : (C)

40. Most companies across sectors have decided to increase their manpower requirement manifold.

Ans : (A)

Directions—(Q. 41–45) In each question below is given a group of letters followed by four combinations of digits/symbols lettered (A), (B), (C) and (D). You have to find out which of the combinations correctly represents the group of letters based on the coding system and mark the letter of that combination as your answer. If none of the combinations correctly represents the group of letters, mark (E) i.e. 'None of these' as your answer.

Letter :

T A G R S D N E V U X P

Digit/Symbol Code :

@ 4 9 # % 3 ©5 1 β7 6

Conditions—

(i) if the first letter is a consonant and the last letter is a vowel only the first letter may be coded and no code

may be given to the last letter.

(ii) if both the first and last letters are vowels then both are to be coded as \$.

(iii) if the first letter is a vowel and the last letter is a consonant then the codes are to be interchanged.

41. DESGRT

- (A) 35%9#
- (B) 35%9#@
- (C) @5%9#3
- (D) 359%#@
- (E) None of these

Ans : (B)

42. NERSPU

- (A) @5#%6@
- (B) @5#56@
- (C) @5#%6
- (D) @5#%6β
- (E) None of these

Ans : (C)

43. XNTPGA

- (A) 7@%694
- (B) 7@%964
- (C) 4@%69
- (D) 7@%69
- (E) None of these

Ans : (D)

44. ESVNTU

- (A) \$%1@%\$
- (B) 5%1@%β
- (C) \$%1@%β
- (D) \$%1@β 5
- (E) None of these

Ans : (A)

45. UXPTGN

(A) ©76@9β

(B) \$76@9©

(C) β 76@9©

(D) β 76@9B

(E) None of these

Ans : (A)

Directions—(Q. 46–50) In each question below is given a statement followed by two courses of action numbered I and II. A course of action is a step or administrative decision to be taken for improvement, follow-up or further action in regard to the problem, policy etc. On the basis of the information given in the statement, you have to assume everything in the statement to be true and then decide which of the suggested courses of action logically follows for pursuing. Given answer—

(A) if only Course of action I follows.

(B) if only Course of action II follows.

(C) if either Course of action I or Course of action II follows.

(D) if neither Course of action I nor Course of action II follows.

(E) if both courses of action I and II follow.

46. Statement : An increasing number of graduates produced by Indian universities are unemployable.

Courses of action :

I. Colleges and Institutes of higher learning should be given greater autonomy to decide course content.

II. World class foreign universities should be encouraged to set up campuses in India.

Ans : (A)

47. Statement : Heavy rains hit the state during October, just before the State Assembly elections and caused heavy damage to standing crops in most parts of the state.

Courses of action :

I. Elections should be postponed to give candidates the opportunity to campaign.

II. The Government should announce a relief package for those who are affected.

Ans : (B)

48. Statement : Cell phone users have found that tariff plans are not as attractive as promoted by telecome companies and complained to regulatory authority about the same.

Courses of action :

- I. The regulatory authority should direct telecome companies to be transparent on the tariff structure of all plans.
- II. The government should restrict the number of telecome companies operating in the country.

Ans : (A)

49. Statement : A number of school children in the local schools have fallen ill after the consumption of their subsidised tiffin provided by the school authority.

Courses of action :

- I. The tiffin facility of all schools should be discontinued with immediate effect.
- II. The government should implement a system to certify the quality of tiffin provided by the school.

Ans : (B)

50. Statement : The dolphin population in India has been decreasing sharply over the past few years.

Courses of action :

- I. Dolphins should be declared an endangered species and be bred in aquariums or protected areas.
- II. Locals should be enlisted to protect dolphins.

Ans : (E)

Directions—(Q. 51–60) Study the following information carefully and answer the questions which follow :

A Research Institute is recruiting a libration to digitise its information resources among other duties. Candidates must possess the following criteria.

The candidate must :

- I. be not less than 35 years and not exceed 40 years as on 01- 11-2009.
- II. have a Bachelor's Degree in Library and Information Science with 65 per cent

marks.

III. have a Ph.D. in Library Science.

IV. have post qualification experience of at least 4 years in a University Library.

However if the candidate fulfils the above mentioned criteria except—

(a) at (II) above but the candidates has a UGC NET certification with all the other above criteria fulfilled he/she may be referred to the Dean.

(b) at (IV) above but all the eligibility criteria are met and the candidate has at least one year's experience in a research institute he/ she may be offered contractual appointment for a year.

Based on the above criteria study carefully whether the following candidates are eligible for the recruitment process and mark your answer as follows. You are not to assume anything other than the information provided in each question. All cases are given to you as on 1-11-2009.

Mark answer :

(A) if he/she is to be shortlisted.

(B) if he/she is not to be shortlisted.

(C) if he/she should be referred to the Dean.

(D) if he/she may be offered contractual appointment if required.

(E) if the data provided is inadequate to take a decision.

51. Anil Rath has a doctorate in Library Science from Karnataka University in 2003. Born on July 21, 1969, he graduated in Library and Information Science from Karnataka University where he was Assistant Librarian for four years since 2005.

Ans : (B)

52. Dr. Samir Bali has a Ph.D. in Library Science and has been with the Institute of Fundamental Research as Assistant Librarian since October 2008. He graduated with a degree in Library and Information Science in 1994 at the age of 22. He obtained 70 per cent in his graduation.

Ans : (D)

53. Vaishali Shetty has a librarian at STS University since 2007 when she qualified in the UGC NET examination. She has a degree in Library and Information Science with 60 per cent. Her first job was as junior librarian at TRP Institute of Development Research from October 2000 to December 2001.

Ans : (B)

54. Vivek Jha has a Ph.D. in Library and Information Science. He graduated in Library and Information Science in 1992 with 65 per cent. He was born on 1-10-1974. Since July 2005, he has been working as Deputy Librarian at a deemed University.

Ans : (A)

55. A graduate in Library Science with 69 per cent Dr. M. Puri has been working at Ranchi University for 4 years as Deputy Librarian. She earned her doctorate while working for the Labour Research Institute for 5 years as Assistant Librarian. She is 38 years old as on the required date.

Ans : (A)

56. Megha Vaidya has a graduate degree in Library Science from Punjab University where she has been a librarian for the past 5 years. In 2002 she obtained her UGC NET qualification at the age of 29. She obtained 72 per cent graduation.

Ans : (E)

57. Anup Gupta is obtaining his Ph.D. from YCM University where he has been Junior Librarian since 2004. He qualified in the UGC NET exam. in June, 2000. He has a degree in Library and Information Science with 62 per cent. His date of birth is 17-10-1973.

Ans : (B)

58. Kirti Shukla obtained her doctorate and Bachelor's degree from Patna University. She obtained 63 per cent at graduation. She obtained her UGC NET qualification in 1998 when she was 26.

Ans : (E)

59. Prakash Sinha has been a librarian for a government institution for three years. Prior to this he was a University Librarian for 7 years after completing his Ph.D. in Library Science. He graduated in 1991 with 68 per cent in Library Science. He is exactly 40 years of age on the specified date.

Ans : (A)

60. Rohan Sachdev obtained his UGC NET qualification after his graduation in

1998 when he began working. He has been Assistant Librarian for the past two years with a research institute. He obtained 65 per cent in his graduation in Library Science. He earned his Ph.D. in Library Science in 2007. His date of birth is 22-10-1974.

Ans : (D)

Mental Ability

1. Mohan is 18th from either end of a row of boys ? How many boys are there in that row ?

- (A) 26
- (B) 32
- (C) 24
- (D) 35

2. In a class of 60 where boys are twice that of girls, Ramya ranked 17th from the top. If there are 9 boys ahead of Ramya, how many girls are after her in the rank ?

- (A) 26
- (B) 12
- (C) 10
- (D) 33

3. 'Soldier' is related to 'Army' in the same way as 'Pupil' is related to

- (A) Education
- (B) Teacher
- (C) Student
- (D) Class

4. 'Kilogram' is related to 'Quintal' in the same way as 'Paisa' is related to

- (A) Coin
- (B) Money
- (C) Cheque
- (D) Rupee

5. 'Stammering' is to 'Speech' as Deafness is to

- (A) Ear
- (B) Hearing

- (C) Noise
- (D) Commotion

6. 'Guilt' is to 'Past' as 'Hope' is to

- (A) Present
- (B) Future
- (C) Today
- (D) Hopeless

Directions—(Q. 7 to 9) based on the alphabets.

7. If the sequence of the alphabets is reversed which of the following would be the 14th letter from your left ?

- (A) N
- (B) L
- (C) O
- (D) None of these

8. Which letter is the 8th letter to the right of the letter, which is 12th from the left ?

- (A) V
- (B) T
- (C) W
- (D) Y

9. Which letter is the 8th letter to the right of the letter which is 10th to the left of the last but one letter from the right ?

- (A) V
- (B) X
- (C) W
- (D) I

10. What should come in the place of (?) in the given series ?

ACE, FGH, ?, PON

- (A) KKK
- (B) JKI
- (C) HJH
- (D) IKL

11. Typist : Typewriter :: Writer : ?

- (A) Script
- (B) Pen
- (C) Paper
- (D) Book

12. Paint : Artist :: Wood : ?

- (A) Furniture
- (B) Forest
- (C) Fire
- (D) Carpenter

13. acme : mace :: alga : ?

- (A) glaa
- (B) gaal
- (C) laga
- (D) gala

14. EIGHTY : GIEYTH :: OUTPUT : ?

- (A) UTOPTU
- (B) UOTUPT
- (C) TUOUTP
- (D) TUOTUP

15. 'Medicine' is related to 'Patient' in the same way as 'Education' is related to—

- (A) Teacher
- (B) School
- (C) Student
- (D) Tuition

16. Fill in the missing letter in the following series—

S, V, Y, B, ?

- (A) C
- (B) D
- (C) E

(D) G

17. What should come in the place of question mark in the following series ?

3, 8, 6, 14, ?, 20

(A) 11

(B) 10

(C) 8

(D) 9

18. Select the correct option in place of the question mark.

AOP, CQR, EST, GUV, ?

(A) IYZ

(B) HWX

(C) IWX

(D) JWX

19. What should come in the place of question mark in the following series ?

1, 4, 9, 25, 36, ?

(A) 48

(B) 49

(C) 52

(D) 56

20. In a certain code 'CONTRIBUTOR' is written as 'RTNOCIROTUB'. How is 'prohibition' written in that code ?

(A) NOITIBIHORP

(B) IHORPBITION

(C) ITIONBIHOTP

(D) IHORPBNOITI

21. If 'CAT' and 'BOAT' are written as XZG and 'YLZG' respectively in a code language how is 'EGG' to be written in the same language ?

(A) VSS

(B) URR

(C) VTT

(D) UTT

22. In a code language SINGER is written as AIBCED then GINGER will be written in the same code as—

- (A) CBIECD
- (B) CIBCED
- (C) CBICED
- (D) CIBECD

23. If BAT is coded as 283, CAT is coded as 383 and ARE is coded as 801, then the code for BETTER is—

- (A) 213310
- (B) 213301
- (C) 123301
- (D) 012334

24. If water is called black, black is called tree, tree is called blue, blue is called rain, rain is called pink and pink is called fish in a certain language then what is the colour of sky called in that language ?

- (A) Blue
- (B) Fish
- (C) Rain
- (D) Pink

25. A man walks 3 km northwards and then turns left and goes 2 km. He again turns left and goes 3 km. He turns right and walks straight. In which direction he is walking now ?

- (A) East
- (B) West
- (C) North
- (D) South

26. One morning after sunrise Vikram and Shailesh were standing in a lawn with their back towards each other. Vikram's shadow fell exactly towards left-hand side. Which direction Shailesh was facing ?

- (A) East
- (B) West
- (C) North
- (D) South

27. Nageena is taller than Pushpa but not as tall as Manish. Rama is taller than Namita but not as tall as Pushpa. Who among them is the tallest ?

- (A) Manish
- (B) Pushpa
- (C) Namita
- (D) Nageena

28. In an examination Raj got more marks than Moti but not as many as Meena. Meena got more marks than Ganesh and Rupali. Ganesh got less marks than Moti but his marks are not the lowest in the group. Who is second in the descending order of marks ?

- (A) Meena
- (B) Rupali
- (C) Raj
- (D) None of these

29. Pointing to a photograph of a girl, Rajan said "She has no sister or daughter but her mother is the only daughter of my mother." How is the girl in the photograph related with Rajan's mother ?

- (A) Sister in law
- (B) Grand daughter
- (C) Daughter in law
- (D) None of these

30. If Amit's father is Billoo's father's only son and Billoo has neither a brother nor a daughter. What is the relationship between Amit and Billoo ?

- (A) Uncle—Nephew
- (B) Father—Daughter
- (C) Father—Son
- (D) Grandfather—Grandson

31. An application was received by inward clerk in the afternoon of a weekday. Next day he forwarded it to the table of the senior clerk, who was on leave that day. The senior clerk next day evening put up the application to the desk officer. Desk officer studied the application and disposed off the matter on the same day, i.e., Friday. Which day the application was received by the inward

clerk ?

- (A) Tuesday
- (B) Earlier week's Saturday
- (C) Wednesday
- (D) Monday

32. Flight to Mumbai leaves every 5 hours. At the information counter I learnt that the flight took off 25 minutes before. If the time now is 10 : 45 a.m., what is the time for the next flight ?

- (A) 2 : 20 a.m.
- (B) 3 : 30 a.m.
- (C) 3 : 55 p.m.
- (D) 3 : 20 p.m.

33. Babloo ranked 16th from the top and 29th from the bottom among those who passed an examination. 6 boys did not participate in the competition and 5 failed in the examination. How many boys were there in that class ?

- (A) 44
- (B) 40
- (C) 50
- (D) 55

34. Indra is 7th from the left and Jaya is 5th from the right. When they interchange their position Jaya becomes 19th from the right. What is Indra's position from the left ?

- (A) 21st
- (B) 19th
- (C) 23rd
- (D) 20th

35. How many 5's are there in the following sequence of numbers which are immediately preceded by 7 ?

8 9 5 3 2 5 3 8 5 5 6 8 7 3 3 5 7 7 5 3 6 5 3 3 5 7 3 8

- (A) One
- (B) Two
- (C) Three
- (D) Four

Directions—(Q. 36 to 39) Select the one which is different from the other three.

36. (A) Bokaro
(B) Jamshedpur
(C) Bhilai
(D) Agra

37. (A) January
(B) February
(C) July
(D) December

38. (A) Bible
(B) Panchsheel
(C) Geeta
(D) Quran

39. (A) Star
(B) Sun
(C) Sky
(D) Moon

40. How many 8's are there in the following sequence which are immediately preceded by 6 but not immediately followed by 5 ?

6 8 5 7 8 5 4 3 6 8 1 9 8 5 4 6 8 2 9 6 8 1 3 6 8 5 3 6

- (A) One
(B) Two
(C) Three
(D) Four

41. If EARTHQUAKE is coded as MOGPENJOSM then EQUATE will be coded as—

- (A) MENOPM
(B) MENOMP
(C) NJOGPM
(D) MNJOPM

42 If COUNTRY is coded in certain way as EMWLVPA, ELECTORATE will be coded in the same manner as—

- (A) CJCEFQPYWC
- (B) CJGERQTYVG
- (C) CNCERQPCRG
- (D) GJGAVMTYVC

43. 'Air' is to 'Bird' as 'Water' is to

- (A) Drink
- (B) Fish
- (C) Wash
- (D) Swim

44. 'Pencil' is to 'Write' as 'Knife' is to

- (A) Injure
- (B) Peel
- (C) Prick
- (D) Attack

Directions—(Q. 45 to 50) Three of the following four are alike in a certain way and so form a group. Which is the one that does not belong to that group ?

45. (A) Green
(B) Red
(C) Colour
(D) Orange

- 46 (A) Rabbit
(B) Crocodile
(C) Earthworm
(D) Snail

47. (A) Polo
(B) Chess
(C) Ludo
(D) Carrom

48. (A) Sun
(B) Universe
(C) Moon
(D) Star

49. (A) Cheese
(B) Milk
(C) Curd
(D) Ghee

50. (A) Carrot
(B) Radish
(C) Potato
(D) Brinjal

Answers :

1. (D) 2. (B)
3. (D) As 'Soldier' is a part of 'Army' in the same way 'Pupil' is a part of 'Class'.
4. (D)
5. (B) As 'Stammering' is a defect of 'Speech' in the same way 'Deafness' is a defect of 'Hearing'.
6. (B)
7. (D) The 14th letter from the left in the sequence of alphabet when it is reversed, is M.
8. (B) The letter 12th from the left in alphabet is L and the 8th letter to the right of 'L' is 'T'.
9. (C) The last but one letter from the right is Y and from Y the 10th letter to left is O and from O, 8th letter to the right is 'W'.
10. (A)
11. (B) As the tool for 'Typist' is 'Typewriter', similarly the tool for the writer is 'Pen'.
12. (D) As 'Paint' is used by 'Artist', similarly 'Wood' is used by 'Carpenter'.
13. (D) 14. (D)
15. (C) As 'Medicine' cures the 'Patient', similarly 'Education' educates the 'Student'.
16. (C) 17. (D) 18. (C) 19. (B) 20. (D) 21. (C) 22. (B)

23. (A) 24. (C) 25. (B) 26. (D) 27. (A) 28. (C) 29. (B) 30. (C)

31. (C) The application was received by the inward clerk on Wednesday.

32. (D) 33. (D) 34. (A)

35. (A) Reqd. '5's are printed boldly in the sequence below :

8 9 5 3 2 5 3 8 5 5 6 8 7 3 3 5 7 7 5 3 6 5 3 3 5 7 3 8

36. (D) All the rest cities are famous for Ironindustry.

37. (B) Each of the rest month has thirtyone days.

38. (B) All the rest are religious books.

39. (C) All the rest are heavenly bodies.

40. (C) Reqd. '8's are printed boldly in the sequence below :

6 8 5 7 8 5 4 3 6 8 1 9 8 5 4 6 8 2 9 6 8 1 3 6 8 5 3 6

41. (D) 42. (D)

43. (B) As 'Birds' fly in 'Air', similarly 'Fish' swim in 'Water'.

44. (B) As 'Pencil' is used for 'Writing', similarly 'Knife' is used to 'Peel'.

45. (C) All the rest are different 'colours'.

46. (A) All the rest are related with water.

47. (A) All the rest are indoor games.

48. (B) All the rest heavenly bodies.

49. (B) All the rest products are made from 'Milk'.

50. (D) All the rest grow under ground.

General Knowledge and General Science : Solved

1. Minamata disease is caused by—

(A) Mercury

(B) Cadmium

(C) Lead

(D) Zinc

2. Government of Rajasthan has constituted one organisation to advise the government on reforms in economic matters. This organisation is named as—

(A) Economic Policy and Reforms Council

(B) Reform Committee on Economic Policy

(C) Council for Economic Reforms

(D) Economic Advisory Committee

3. Under which Article of the Indian Constitution, it is the duty of the Union Government to protect States against external aggression and internal

disturbance ?

- (A) Article 355
- (B) Article 356
- (C) Article 352
- (D) Article 360

4. Which one of the following groups of organisms has significance in diagnosing the death by drowning ?

- (A) Lichens
- (B) Protozoa
- (C) Cyanobacteria
- (D) Diatoms

5. When there is a very heavy rainfall in the Pushkar Hills, where does floods occur ?

- (A) Ajmer
- (B) Sawai Madhopur
- (C) Balotra
- (D) Sojat

6. On a specific day and time, temperature was 48 °C in Churu and 24 °C in Shimla.

Two metallic cups identical in all respects contained water at 95 °C in Churu and 71 °C in Shimla. Which one of these two cups reached room temperature first ?

- (A) Cup in Churu
- (B) Cup in Shimla
- (C) Both cups reached room temperature at the same time
- (D) Data are not enough to find out result

7. Who won the Booker's Prize, 2008 ?

- (A) Arvind Adiga
- (B) Aruna Roy
- (C) Rajendra Singh
- (D) Medha Patekar

8. The first woman 'Four-star General' in United States of America Military is—

- (A) Haldun Woody
- (B) Anna Maehays

- (C) Mike Mullen
- (D) Anne Dun Woody

9. Which one of the following acid is formed during the change of milk into curd ?

- (A) Acetic acid
- (B) Ascorbic acid
- (C) Citric acid
- (D) Lactic acid

10. What is the height of Guru Shikhar Peak in Rajasthan ?

- (A) 1722 metres
- (B) 1727 metres
- (C) 1750 metres
- (D) 1780 metres

11. Khariya, Raswani, Shobhala and Udisbhar are—

- (A) The varieties of wines
- (B) Actors of kuchamani khyal
- (C) Villages of Barmer district
- (D) The varieties of Kota Doriya sarees

12. 'Archaeopteryx' is a connecting link between which of the following classes of animal ?

- (A) Amphibia and Aves
- (B) Reptilia and Aves
- (C) Reptilia and Mammalia
- (D) Aves and Mammalia

13. Tick mark correct statement—

- (A) CIMMCO wagon factory restarted in Bharatpur after eight years
- (B) CIMMCO factory is started at Bhiwadi for manufacturing coaches
- (C) CIMMCO factory is manufacturing chassis of trucks and buses at Alwar
- (D) CIMMCO company is engaged in exports of coaches to Asian countries

14. Where is Port Pradeep located ?

- (A) Kerala

- (B) Karnataka
- (C) West Bengal
- (D) Orissa

15. Mangla-Bhagyam, Shakti and Aishwarya—

- (A) Are three schemes for upliftment of scheduled castes' girls
- (B) Are oil fields discovered in Barmer-Sanchore basin
- (C) Are three universities established in Private sector
- (D) Produce natural gas from Jaisalmer basin to supply Ramgah power plant

16. Among the crafts that have been shortlisted by National Institute of Design for Geographical Indicator Status is—

- (A) Jaipur for blue pottery and Udaipur for clay work
- (B) Zari work of Ajmer and block printing of Sanganer
- (C) Embroidary of Barmer and wollens of Jaisalmer
- (D) Paintings of Kishangadh and Namdas of Tonk

17. Pearl is mainly constituted of—

- (A) Calcium oxalate
- (B) Calcium sulphate
- (C) Calcium carbonate
- (D) Calcium oxide

18. Where is the famous 'Finger Lake Region' located ?

- (A) Australia
- (B) Austria
- (C) United States of America (U.S.A.)
- (D) Britain

19. In which year did a major flood occur in Kawas in Barmer ?

- (A) 2005
- (B) 2006
- (C) 2007
- (D) 2008

20. Which sect has the headquarters located at Shahpura (Bhilwara) ?

- (A) Dadu sect

- (B) Vallabh sect
- (C) Nimbark sect
- (D) Ramsnehi sect

21. Ashtadhyayi was written by—

- (A) Varahmihira
- (B) Kalidas
- (C) Panini
- (D) Balram

22. The whole dispute between Subhash Bose and right wing, after the Tripuri session of Congress centred round to the question of—

- (A) Formation of Congress working committee
- (B) Policy towards princely states
- (C) Attitude towards central government
- (D) Double membership of Congress Socialist Party members

23. Adanya Chetna Trust, Havells India Limited, Hindustan Zinc Limited and DSCL Kota (Shree Ram Group) are some Trust/Corporates related to—

- (A) Production of handicrafts and industrial goods
- (B) Mid-Day Meal Programme
- (C) Infrastructure development in Rajasthan
- (D) Special Economic Zone in Rajasthan

24. One Rajasthan-born industrialist contributed a sum of Rs. 22,000 in 1920s to C.V. Raman's path breaking research which won him the Nobel Prize—

- (A) Purshotam Das Bajaj
- (B) Jamshedjee Tata
- (C) Magni Ram Bangur
- (D) Ghanshyam Das Birla

25. Who is the author 'ANDHAYUG' ?

- (A) Ram Dhari Singh Dinkar
- (B) Mahaveer Prasad Dwivedi
- (C) Dharam Veer Bharti
- (D) Mohan Rakesh

26. United Nations General Assembly President is—

- (A) John Major
- (B) Miguel d'Escoto
- (C) Jacquesreene Chirac
- (D) Jiang Zemin

27. In which continent are the Atlas Mountains situated ?

- (A) Asia
- (B) Africa
- (C) Australia
- (D) Europe

28. Per Capita Income at current prices in Rajasthan during 2007-08 is about—

- (A) 20,000 Rs.
- (B) 22,000 Rs.
- (C) 24,000 Rs.
- (D) 18,000 Rs.

29. Nawalgadh (Sikar) in Rajasthan was in news because of—

- (A) Bumper crop of kharif season particularly the production of bajra
- (B) The government of Rajasthan has taken responsibility to provide the land to cement manufacturers
- (C) Ginder Utsav is started during the month of Shrawan to attract tourists
- (D) A private university is sanctioned by government for this area

30. Which one of the following changes occur when salt is added in the water ?

- (A) Boiling point is increased and freezing point is decreased
- (B) Boiling point is decreased and freezing point is increased
- (C) Both boiling point and freezing point are decreased
- (D) Both boiling point and freezing point are increased

31. When a person enters in a dark room from strong light area, he is not able to see clearly for some

time. Later he gradually begins to see things. This is because—

- (A) Changes in the size of pupil
- (B) Changes in the diameter and focal length of lens
- (C) Bleaching and reformation of Rhodopsins

(D) Eyes become familiar with darkness in course of time

32. Exclude which is not correct—

(A) RUDA is functioning for creation of more avenues of employment in the rural nonfarm sector

(B) Bureau of Investment Promotion is an agency for promotion of Small Scale Industry projects

(C) RIICO is an apex organization engaged in postering growth of industrialisation in the state

(D) Rajasthan Small Industries Corporation is functioning to assist Small Scale Industry and handicrafts

33. The art style which combines Indian and Greek feature is called—

(A) Sikhar

(B) Verra

(C) Gandhar

(D) Nagar

34. In which city of India, first D.N.A. Bank of Asia is established recently ?

(A) Jaipur

(B) Kota

(C) Chennai

(D) Lucknow

35. Raika's in Rajasthan are—

(A) Traditional horse breeders

(B) Traditional camel breeders

(C) Used to sell goods from village to village

(D) Salt-traders

36. The first session of Rajputana-Madhyabharat Sabha was held in 1918 at—

(A) Delhi

(B) Ajmer

(C) Indore

(D) Udaipur

37. Who is the author of the book named 'The Audacity of Hope' ?

- (A) Nayan Tara Sehgal
- (B) Salman Rushdie
- (C) Vikram Seth
- (D) Barack Obama

38. RIDCOR stands for—

- (A) Road Infrastructure Development Company of Rajasthan
- (B) Rail Information Download Corporation of Rajasthan
- (C) Rajasthan Indoor Decoration Corporation of Railways
- (D) Rail Infrastructure Development Corporation of Rajasthan

39. Inscription which throw light on the writings of Maharana Kumbha is—

- (A) Kumbhalgarh inscription (1460 A.D.)
- (B) Kirtistambha Prashasti (1460 A.D.)
- (C) Jagannath Rai inscription (1652 A.D.)
- (D) Raj Prashasti (1676 A.D.)

40. Jnan Pith award has been given to (06th November 2008)—

- (A) Vinit Narayan
- (B) Rehman Rahi
- (C) Kamleshwar
- (D) Gyan Chaturvedi

41. For which desirable character the transgenic crop 'Golden Rice' is produced ?

- (A) Vitamin 'A'
- (B) Essential Amino Acids
- (C) Insulin
- (D) Characteristic Starch

42. The world's youngest King belongs to which country ?

- (A) Saudi Arab
- (B) Japan
- (C) Bhutan
- (D) Thailand

43. Mammoth is the ancestor of—

- (A) Dog
- (B) Horse
- (C) Camel
- (D) Elephant

44. Which district in Rajasthan grows, in largest quantity, psyllium husk (planto ovata) or 'Isabgol' ?

- (A) Jhalawar
- (B) Jalore
- (C) Sirohi
- (D) Bundi

45. Who launched the 'Lasodia Movement' for social reforms amongst the Bhils of Mewar, Bagar and nearby regions ?

- (A) Mavji
- (B) Govind Giri
- (C) Surmal Das
- (D) Moti Lal Tejawat

46. Chairman of Indian Space and Research Organization is—

- (A) Krishna Swamy Kasturirangan
- (B) A.P.J. Abdul Kalam
- (C) G. Madhavan Nair
- (D) K.M. Bhandari

47. Most stable Ecosystem is

- (A) Forest
- (B) Grassland
- (C) Desert
- (D) Marine

48. Which tree is called the 'Flame of the Forest in Rajasthan' ?

- (A) Khejri
- (B) Neem
- (C) Palas
- (D) Paras Peepul

49. Which city is known as 'Suncity' in Rajasthan ?

- (A) Jodhpur
- (B) Udaipur
- (C) Bikaner
- (D) Jaisalmer

50. Which was common among Brahma Samaj, Ram Krishna Mission and Arya Samaj ?

- (A) None of these three had a political mission, but they helped to develop a spirit of patriotism
- (B) All the three originated from Bengal
- (C) Founder of all the three were educated in England
- (D) Founder of all the three took active part in politics

51. Tick mark which is incorrect about NREGA—

- (A) This Act spells out the type of works which are permitted
- (B) Like in other government programmes transparency and accountability is also not possible in this programme
- (C) This Act specifies the individual works but only for the scheduled castes and tribes below the poverty line
- (D) The guarantee of 274 day employment during a year is possibly the most important feature of this Act.

52. Mahajanpad situated on the bank of river Godavari was—

- (A) Avanti
- (B) Vatsa
- (C) Assaka
- (D) Kamboja

53. Which mineral is found in Nathra-ki-Pal area of Rajasthan ?

- (A) Iron ore
- (B) Copper
- (C) Lead and Zinc
- (D) Manganese

54. One of the following sites from where the famous Bull-seal of Indus Valley Civilization was found—

- (A) Harappa

- (B) Chanhudaro
- (C) Lothal
- (D) Mohenjodaro

55. Tick mark which is incorrect about inflation—

- (A) Inflation indicates the rise in the price of a basket of commodities on a point-to-point basis
- (B) The inflation rate in India is calculated on the basis of the wholesale price index
- (C) For some commodities retail prices are also considered for measurement of inflation
- (D) Inflation rate going down does not mean prices are declining

56. Which district has the least population density in Rajasthan ?

- (A) Bikaner
- (B) Jodhpur
- (C) Barmer
- (D) Jaisalmer

57. Bio-magnification means—

- (A) Fast spreading of cancer cells in the body
- (B) Increasing the amount of pesticides in the organisms of successive trophic level
- (C) To see the microscopic parts of the body by microscope
- (D) Sudden increase in the number of the individuals of a species in a specific area

58. Chandrayaan-I was launched from—

- (A) Orissa
- (B) Tamil Nadu
- (C) Karnataka
- (D) Andhra Pradesh

59. By which process, Alum cleans the muddy water ?

- (A) Absorption
- (B) Adsorption
- (C) Coagulation

(D) Dialysis

60. Match List-I (Development Programme) with List-II (Coverage Area) and give the correct answer on the basis of codes given below the list—

List-I

- (a) Mewat Area Development Programme
- (b) Border Area Development Programme
- (c) Dang Area Development Programme
- (d) Magra Area Development Programme

List-II

1. Eight blocks of Alwar and three blocks of Bharatpur
2. Thirteen blocks of four Districts
3. 357 Gram Panchayats of 21 Panchayat Samitis
4. 14 blocks covering Ajmer, Bhilwara, Chittorgarh, Pali and Rajsamand districts
5. Saharia tribal families residing in Shahbad and Kishangarh blocks

Codes :

- (a) (b) (c) (d)
- (A) 4 3 5 2
- (B) 1 2 3 4
- (C) 2 1 5 3
- (D) 1 4 2 3

61. Handloom Mark shows the standard of—

- (A) Handloom clothes
- (B) Craft works
- (C) Hand embroidery
- (D) Hand block printing

62. Which country has signed an agreement on civil nuclear cooperation with India in September 2008 ?

- (A) Australia
- (B) Japan
- (C) Brazil
- (D) France

63. Who was appointed as President of South Africa after resignation of Thabo Mbeki ?

- (A) Nelson Mandela
- (B) Kglema Motlanthe
- (C) Taro Aso
- (D) Morgan Tsvangirai

64. In which year was the Desert development programme started in Rajasthan ?

- (A) 1960-61
- (B) 1977-78
- (C) 1982-83
- (D) 1994-95

65. Which of the following pair is matching ?

- (A) Badla (Water-bottle) — Jaipur
- (B) Masuria Sari — Kota
- (C) Namda — Jodhpur
- (D) Marble Carving — Tonk

66. Under whose Command Marwari forces were sent to Khanwa to support Sanga against Babur ?

- (A) Rao Ganga
- (B) Maldeo
- (C) Biram Deo
- (D) Suja

67. The 'Hot Spot' of Biodiversity in India are—

- (A) Western Himalayas and Eastern Ghat
- (B) Western Himalayas and Sunderban
- (C) Eastern Himalayas and Western Ghat
- (D) Eastern Himalayas and Silent Valley

68. Who has been chosen for the Bharat-Ratna ?

- (A) Devanand
- (B) Pandit Bhimsen Joshi
- (C) Kanshi Ram
- (D) Atal Bihari Vajpayee

69. What is the product found in large quantities in Churu-Bikaner-Sri

Ganganagar belt, which is (i) a source of environmental pollution, (ii) used for raising soil fertility, and (iii) after value addition, is used in health and building sector ?

- (A) Limestone
- (B) Lignite
- (C) Fullers Earth
- (D) Gypsum

70. In Rajasthan each state had a Mahakma Baqoit which used to—

- (A) Charge the revenue arrears in good harvest years
- (B) Make the payments of King's dues
- (C) Collect the dues from government servants
- (D) Collect the loans for the Kings

71. Generally where coral reefs are found ?

- (A) In temperate climate above 18 °C
- (B) Between tropics of cancer and tropics of capricorn coastal areas
- (C) On both east and west coasts of continents and islands only
- (D) On colder sea coasts

72. Which one of the followings is used in the synthesis of polythene ?

- (A) Methane
- (B) Ethylene
- (C) Propane
- (D) Butane

73. A bird's eye view of macro economic developments under various programmes launched by the state government in Rajasthan is available in—

- (A) Economic Review
- (B) Reserve Bank of India Bulletin
- (C) Economic and Political Weekly
- (D) Sujas

74. How many are there 'Million Plus Population' cities in India (Census 2001) ?

- (A) 39
- (B) 29
- (C) 49

(D) 59

75. National Water Development Agency was established in the year—

- (A) 1969
- (B) 1970
- (C) 1980
- (D) 1990

76. Author of 'Nyaya Darshan' was—

- (A) Gautam
- (B) Kanad
- (C) Kapil
- (D) Badrayan

77. KANDHMAL is in which State ?

- (A) Orissa
- (B) Rajasthan
- (C) Maharashtra
- (D) Gujarat

78. Indian PM Manmohan Singh is an elected member of Rajya Sabha from which State ?

- (A) Punjab
- (B) Haryana
- (C) Assam
- (D) Gujarat

79. In which province Muslim League formed their government after 1946 elections ?

- (A) Bengal
- (B) North-West Frontier
- (C) Punjab
- (D) Bihar

80. Which city can be called 'the Manchester' of Rajasthan ?

- (A) Kota
- (B) Pali

- (C) Beawar
- (D) Bhilwara

81. Pheromones are found in—

- (A) Insects
- (B) Snakes
- (C) Birds
- (D) Bats

82. Which State is not a part of 'seven sisters' of North-Eastern States ?

- (A) Meghalaya
- (B) West Bengal
- (C) Arunachal Pradesh
- (D) Tripura

83. The main function of colonization in Rajasthan is to—

- (A) Provide residential plots
- (B) Acquire land by the government
- (C) Provide irrigation facilities
- (D) Allot land

84. Who is the Governor of West Bengal ?

- (A) Gopal Gandhi
- (B) Shiv Charan Mathur
- (C) Surjeet Singh Barnala
- (D) Nawal Kishore Sharma

85. Which Act introduced 'Dyarchy' at the centre ?

- (A) The Act of 1909
- (B) Government of India Act, 1919
- (C) Government of India Act, 1935
- (D) The Indian Independence Act, 1947

86. The symbol of World Wild-life Fund is—

- (A) Polar Bear
- (B) White Bear
- (C) Red Panda

(D) Cheeta

87. The Electoral College for the United States Presidential Election is constituted by the—

- (A) Members of United States Congress
- (B) Members of House of Representatives
- (C) Members of Senate
- (D) None of them

88. In what direction Monsoon rainfall in Rajasthan increases ?

- (A) Southwest-Northeast
- (B) Southeast-Northwest
- (C) Northwest-Southeast
- (D) South-North

89. Dhawadia were the persons—

- (A) Engaged in looting of caravans and kafilas
- (B) Who used to collect the taxes for kings
- (C) Who used to stock the foodgrains
- (D) Who used to participate in the race

90. By which process the sea water can be converted into pure water ?

- (A) Deliquescence
- (B) Efflorescence
- (C) Electric separation
- (D) Reverse osmosis

91. Place where the 'Jal Durg' (fort erected in water) is located—

- (A) Ajmer
- (B) Amber
- (C) Siwana
- (D) Gagron

92. In which of the following crop Azolla-Anabaena biofertilizer is used ?

- (A) Wheat
- (B) Rice
- (C) Mustard

(D) Cotton

93. To which school of painting 'Bani Thani' was related ?

- (A) Bundi school
- (B) Kishangarh school
- (C) Chawand school
- (D) Jaipur school

94. Which group of districts has highest forest area ?

- (A) Baran - Udaipur - Chittaurgarh
- (B) Bharatpur - Jhalawar - Kota
- (C) Karauli - Sirohi - Dungarpur
- (D) Banswara - Dholpur – Raj Samand

95. Which one of the following statements is FALSE ?

- (A) The special rubber tyres of air craft are made slightly conducting
- (B) The blue waves scattered more than violet waves of light so that the sky appears blue not violet
- (C) A comb run through one's wet hair does not attract small bits of paper
- (D) Vehicles carrying inflammable material usually have metallic ropes touching the ground

96. Maximum production of 'khas' comes from which belt of Rajasthan ?

- (A) Sawai Madhopur – Bharatpur - Tonk
- (B) Gangapur - Dausa - Alwar
- (C) Jhalawar - Kota - Bundi
- (D) Dungarpur - Banswara – Udaipur

97. Who represented Congress in Second Round Table Conference ?

- (A) Jawahar Lal Nehru
- (B) Moti Lal Nehru
- (C) Abul Kalam Azad
- (D) Mahatma Gandhi

98. The author of 'Vamsa Bhaskar' is—

- (A) Bankidas
- (B) Gauri Shankar Ojha

(C) Kaviraj Shymaldas

(D) Surajmal Misran

99. The Maitri Express train is introduced between the stations—

(A) Kolkata and Dhaka

(B) Amritsar and Lahore

(C) Delhi and Srinagar

(D) Lucknow and Kathmandu

100. Baxa Tiger Project is located in which state of India ?

(A) Madhya Pradesh

(B) Rajasthan

(C) Gujarat

(D) West Bengal

Answers :

1. (A) 2. (A) 3. (A) 4. (D) 5. (A) 6. (A) 7. (A) 8. (D) 9. (D) 10. (B)

11. (C) 12. (B) 13. (A) 14. (D) 15. (B) 16. (A) 17. (C) 18. (C) 19. (B) 20. (D)

21. (C) 22. (A) 23. (B) 24. (D) 25. (C) 26. (B) 27. (B) 28. (B) 29. (C) 30. (A)

31. (D) 32. (B) 33. (C) 34. (D) 35. (B) 36. (A) 37. (D) 38. (A) 39. (A) 40. (B)

41. (A) 42. (C) 43. (D) 44. (B) 45. (B) 46. (C) 47. (D) 48. (C) 49. (A) 50. (A)

51. (B) 52. (C) 53. (A) 54. (D) 55. (D) 56. (D) 57. (B) 58. (D) 59. (C) 60. (B)

61. (B) 62. (D) 63. (B) 64. (B) 65. (B) 66. (A) 67. (C) 68. (B) 69. (D) 70. (B)

71. (A) 72. (B) 73. (A)

74. (*) In India as per population Census-2001, the number of 'Million Plus Population' cities is 35. Thus, all the four alternatives given in the question are incorrect.

75. (*) National Water Development Agency was set in July 1982 as Autonomous Society.

76. (A) 77. (A) 78. (C) 79. (A) 80. (C) 81. (A) 82. (B) 83. (D) 84. (A) 85. (C)

86. (C) 87. (A) 88. (A) 89. (A) 90. (D) 91. (D) 92. (B) 93. (B) 94. (D) 95. (B)

96. (A) 97. (D) 98. (D) 99. (A) 100. (D)

1. Where is the Punjab Lalit Kala Academy located ?

- (A) Muktasar
- (B) Ludhiana
- (C) Patiala
- (D) Chandigarh

Ans : (D)

2. What does happens when water is condensed into ice ?

- (A) Heat is absorbed
- B) Heat is released
- (C) Quantity of heat remains unchanged
- (D) None of these

Ans : (A)

3. Which of the following gases is not a noble gas ?

- (A) Zenon
- (B) Argon
- (C) Helium
- (D) Chlorine

Ans : (D)

4. Which of the following diffuses most quickly ?

- (A) Solid
- (B) Gas
- (C) Liquid
- (D) None of these

Ans : (B)

5. Which temperature in Celsius scale is equal to 300 K ?

- (A) 30°C
- (B) 27°C
- (C) 300°C
- (D) None of these

Ans : (B)

6. First Youth Olympic games will be held in—

- (A) Japan
- (B) China
- (C) North Korea
- (D) Singapore

Ans : (D)

7. Where was the capital of Pandya dynasty situated ?

- (A) Mysore
- (B) Kanchipuram
- (C) Madurai
- (D) Delhi

Ans : (C)

8. Tripitak is the scripture of—

- (A) Jain religion
- (B) Hindu religion
- (C) Buddhist religion
- (D) Muslim religion

Ans : (C)

9. Who is the author of 'Anand Math' ?

- (A) Mohan Rakesh
- (B) Prem Chand
- (C) Nirala
- (D) Pant

Ans : (A)

10. Which of the following Constitutional Amendments has included fundamental duties into the Constitution ?

- (A) 42nd
- (B) 43rd
- (C) 44th
- (D) 39th

Ans : (A)

11. Where is the Central Food Technology Research Institute situated ?

- (A) Delhi
- (B) Anand
- (C) Ahmedabad
- (D) Mysore

Ans : (D)

12. Which of the following is common in both, Buddhism and Jainism ?

- (A) Nonviolence
- (B) Violence
- (C) Triratna
- (D) Truth

Ans : (A)

13. Light-year measures which of the following ?

- (A) Intensity of light
- (B) Mass
- (C) Time
- (D) Distance

Ans : (D)

14. Which of the following gases is used for ripening the fruits ?

- (A) Methane
- (B) Ethane
- (C) Ethylene
- (D) Acetylene

Ans : (C)

15. Who among the following was involved in Alipore bomb case ?

- (A) Aravind Ghosh
- (B) P. C. Banerjee
- (C) Bipin Chandra Paul
- (D) Chandrashekhar Azad

Ans : (A)

16. Sikh Guru Arjundev was contemporary to which of the following rulers ?

- (A) Humayun
- (B) Akbar

(C) Shahjahan

(D) Jahangir

Ans : (D)

17. Besides hydrogen, which of the following elements is common in organic compounds ?

(A) Phosphorus

(B) Sulphur

(C) Nitrogen

(D) Carbon

Ans : (D)

Directions—(Q. 18–21) Find the correct meanings of the words given below :

18. EWE

(A) Calf

(B) Female sheep

(C) Deer

(D) None of these

Ans : (B)

19. Buffalo

(A) Calf

(B) Baby box

(C) Baby bison

(D) Baby cow

Ans : (C)

20. Veneration—

(A) Esteem

(B) High respect

(C) Devotion

(D) Worship

Ans : (B)

21. Vicious—

(A) Remorseless

(B) Ferocious

(C) Kind

(D) Wicked

Ans : (D)

Directions—(Q. 22–25) Choose the word / phrase which is nearest in meaning to the words in question :

22. Bizarre

(A) Colourful

(B) Odd

(C) Insipid

(D) Smart

Ans : (B)

23. Innuendo

(A) Narration

(B) Insinuation

(C) Insist

(D) Insult

Ans : (B)

24. Salutary

(A) Welcome

(B) Discharge

(C) Promoting

(D) Remove

Ans : (C)

25. Fictile

(A) Fiction

(B) Moulded

(C) Fictitious

(D) Smooth

Ans : (B)

26. Solid Carbon dioxide is termed as—

- (A) Soft ice
- (B) Dry ice
- (C) White ice
- (D) None of these

Ans : (B)

27. 1 kg of a liquid is converted into its vapour at its boiling point. The heat absorbed in the process is called—

- (A) Latent heat of vaporisation
- (B) Latent heat of fusion
- (C) Latent heat of sublimation
- (D) None of these

Ans : (A)

28. Whether all the universities in the country should start online admission at all levels with immediate effect ?

- (i) No, since all the students may not have access to the internet easily.
- (ii) Yes, it may liberate the students and their parents from the long-standing problems of knocking at the doors of different colleges and standing in queue.

- (A) Only argument (i) is correct
- (B) Only argument (ii) is correct
- (C) Neither argument (i) nor argument (ii) is correct
- (D) Both the arguments, (i) and (ii), are correct

Ans : (D)

29. The product 'Fair and Lovely' is related to—

- (A) WIPRO
- (B) I.T.C.
- (C) P & G
- (D) H.U.L.

Ans : (D)

30. Should the Government make it compulsory for the private medical colleges to join the entrance test conducted by the Government ?

- (i) No, private institutions should be empowered, so that they may decide their own admission strategy and improve their work-management.
- (ii) Yes, all medical institutions, whether these are private or government's,

should adopt the same entrance standard.

(A) Only argument (i) is correct

(B) Only argument (ii) is correct

(C) Either argument (i) is correct or argument (ii) is correct

(D) Neither argument (i) is correct nor argument (ii) is correct

Ans : (B)

31. In case the President of India decides to resign, he will address his letter of resignation to—

(A) Prime Minister

(B) Chief Justice

(C) Speaker of Lok Sabha

(D) Vice-President

Ans : (D)

32. The metal extracted from Bauxite is—

(A) Silver

(B) Copper

(C) Manganese

(D) Aluminium

Ans : (D)

33. The Cyclone represents a state of atmosphere in which—

(A) Low pressure in the center and high pressure around

(B) There is high pressure in the center and low pressure around

(C) There is low pressure all around

(D) None of these

Ans : (A)

34. The 'Ocean of Storms' is the name given to—

(A) Atlantic Ocean

(B) Pacific Ocean

(C) A waterless area on moon surface

(D) None of these

Ans : (C)

35. The capital of Pallavas was—

- (A) Arcot
- (B) Kanchi
- (C) Malkhed
- (D) Banavasi

Ans : (B)

36. Which Indian state was ranked as the No. 2 tourist destination in the world by LONELY PLANET?

- (A) Himachal Pradesh
- (B) Tamil Nadu
- (C) Kerala
- (D) Uttarakhand

Ans : (C)

37. How much water is contained in our body by mass ?

- (A) 65%
- (B) 70%
- (C) 60%
- (D) None of these

Ans : (B)

38. What determines the sex of a child ?

- (A) Chromosomes of the father
- (B) Chromosomes of the mother
- (C) RH factor of the parents
- (D) Blood group of the father

Ans : (A)

39. The two civilizations which helped in the formation of Gandhara School of Art are—

- (A) Indian and Roman
- (B) Indian and Egyptian
- (C) Greek and Roman
- (D) Indian and Greek

Ans : (D)

40. 'Thinkpad' is a laptop associated with which among the following companies ?

- (A) HP
- (B) TCS
- (C) Infosys
- (D) IBM

Ans : (D)

41. The first summit of SAARC was held at—

- (A) Kathmandu
- (B) Colombo
- (C) New Delhi
- (D) Dhaka

Ans : (D)

42. The wire of flash bulb is made of—

- (A) Copper
- (B) Barium
- (C) Magnesium
- (D) Silver

Ans : (C)

43. The curves showing the volume pressure behaviour of gases plotted at different fixed temperatures are called—

- (A) Isochors
- (B) Isothermals
- (C) V.T.P. Curves
- (D) Isocurves

Ans : (B)

44. Project Tiger was launched in—

- (A) 1973
- (B) 1976
- (C) 1978
- (D) 1983

Ans : (A)

Directions—(Q. 45 and 46) Attempt the question to the best of your judgement.

45. How many letters in the word TRYST have as many letters between them as in the alpha bet ?

- (A) None
- (B) 2
- (C) 3
- (D) 4

Ans : (B)

46. From the alternatives, select the set which is most like the given set.

Given set (23, 29, 31)—

- (A) (17, 21, 29)
- (B) (31, 37, 49)
- (C) (13, 15, 23)
- (D) (41, 43, 47)

Ans : (D)

Directions—What should come in place of question mark (?) in the following number series ?

47. 13 13 65 585 7605 129285 ...?...

- (A) 2456415
- (B) 2235675
- (C) 2980565
- (D) 2714985

Ans : (D)

48. If 'VEHEMENT' is written as 'VEHETNEM' then in that code how will you code 'MOURNFUL' ?

- (A) MOURLUFN
- (B) MOUNULFR
- (C) OURMNFUL
- (D) URNFULMO

Ans : (A)

49. MOLLIFY is to APPEASE as APPURTENANCE is to ?

- (A) Gratify
- (B) Avarice

(C) Accessory

(D) Amend

Ans : (C)

50. Praduman is older than Janaki; Shreshtha is older than Chhama; Ravindra is not as old as Shreshtha but is older than Janaki. Chhama is not as old as Janaki. Who is the youngest ?

(A) Praduman

(B) Janaki

(C) Shreshtha

(D) Chhama

Ans : (D)

51. In a row of children facing North, Bharat is eleventh from the right end and is third to the right of Samir who is fifteenth from the left end. Total how many children are there in the row ?

(A) 29

(B) 28

(C) 30

(D) 27

Ans : (B)

52. Which number is missing ?

45389, ?, 453, 34

(A) 34780

(B) 8354

(C) 4892

(D) 3478

Ans : (B)

53. If in the word CALIBRE, the previous letter in the English alphabet replaces each consonant and each vowel is replaced by the next letter and then the order of letters is reversed, which letter will be third from the right end ?

(A) A

(B) C

(C) B

(D) K

Ans : (D)

54. How many such digits are there in the number 57683421, each of which is as far away from the beginning of the number, as they will be when arranged in descending order within the number ?

- (A) One
- (B) Two
- (C) Three
- (D) More than three

Ans : (D)

Directions—(Q. 55 to 57) In the following question there are two words to the left of the sign (::) which are connected in some way. The same relationship obtains between the third word and one of the four alternatives under it. Find the correct alternative in each case.

55. Medicine : Sickness :: Book : ?

- (A) Ignorance
- (B) Knowledge
- (C) Author
- (D) Teacher

Ans : (A)

56. River : Dam :: Traffic : ?

- (A) Signal
- (B) Vehicle
- (C) Motion
- (D) Lane

Ans : (A)

57. Session : Concludes :: ? : Lapses

- (A) Leave
- (B) Permit
- (C) Agency
- (D) Policy

Ans : (D)

58. If $16 = 11$, $25 = 12$, $36 = 15$, then $49 = ?$

- (A) 14
- (B) 20
- (C) 19
- (D) 17

Ans : (B)

59. Pick out the odd in the following—

- (A) Ashok—Assam
- (B) Poonam—Punjab
- (C) Gyanendra—Gujarat
- (D) Anjana—Rajasthan

Ans : (D)

60. KEATS = 25, SHELLEY = 35, BROWNING = ?

- (A) 45
- (B) 37
- (C) 50
- (D) 40

Ans : (D)

Directions—(Q. 61 and 62) What approximate value should come in place of question-mark (?) in the following questions ?

(You are not expected to calculate the exact value)

61. $(9321 + 5406 + 1001) \div (498 + 929 + 660) = ?$

- (A) 13.5
- (B) 4.5
- (C) 16.5
- (D) 7.5

Ans : (D)

62. $561204 \times 58 = ? \times 55555$

- (A) 606
- (B) 646
- (C) 586
- (D) 716

Ans : (C)

63. The difference between the greatest number and the smallest number of 5 digits 0, 1, 2, 3, 4 using all but once is—

- (A) 32976
- (B) 32679
- (C) 32769
- (D) None of these

Ans : (A)

64. Area of a parallelogram whose base is 9 cm and height 4 cm is sq cm.

- (A) 9
- (B) 4
- (C) 36
- (D) 13

Ans : (C)

65. The number which is neither prime nor composite is—

- (A) 0
- (B) 1
- (C) 3
- (D) 2

Ans : (B)

66. The length of a room is three times its breadth. If the perimeter of the room is 64 cm, then its breadth is cm.

- (A) 64
- (B) 32
- (C) 16
- (D) 8

Ans : (D)

67. Aditi read $\frac{4}{5}$ th of Tintin comic book which has 100 pages. How many pages of the book is not yet read by Aditi ?

- (A) 40
- (B) 60
- (C) 80

(D) 20

Ans : (D)

68. What is the meaning of beckoned ?

(A) Summon by sign or gesture

(B) Did not signal

(C) Did not call

(D) Invite

Ans : (A)

69. A box contains coins (equal no. of every one) of rupee and half rupee, coins of 25 paise, 10 paise, 5 paise value, 2 paise value and one paise value. The total value of coins in the box is Rs. 1158. Find the number of coins of each value.

(A) 500

(B) 400

(C) 700

(D) 600

Ans : (D)

70. The area of a rhombus with diagonals 12 cm and 20 cm is sq cm.

(A) 120

(B) 12

(C) 20

(D) 240

Ans : (A)

71. A piece of road is one kilometer in length. We have to supply lamp posts.

One post at each end, distance between two consecutive lamp posts is 25 metres.

The number of lamp posts required is—

(A) 41

(B) 51

(C) 61

(D) 42

Ans : (A)

72. There are 800 students in a class. On one particular day, if $\frac{1}{10}$ th of the

students were absent, how many students were present ?

- (A) 700
- (B) 650
- (C) 720
- (D) 750

Ans : (C)

73. The quotient in a division is 403. The divisor is 100 and the remainder is 58, the dividend is—

- (A) 40458
- (B) 34058
- (C) 43058
- (D) 40358

Ans : (D)

74. A labourer was engaged for 25 days on the condition that for every day, he works, he will be paid Rs. 2 and for every day, he is absent he will be fined 50p. If he receives only Rs. 37.50, find the no. of days he was absent—

- (A) 5
- (B) 6
- (C) 7
- (D) 4

Ans : (A)

Directions—(Q. 75 to 77) Choose the word/phrase which is most opposite in meaning to the word ?

75. Quixotic

- (A) Visionary
- (B) Whimsical
- (C) Realistic
- (D) Foolish

Ans : (C)

76. Rabid

- (A) Mad
- (B) Normal

- (C) Furious
- (D) Fanatical

Ans : (B)

77. Scurrilous

- (A) Inoffensive
- (B) Vulgar
- (C) Insulting
- (D) Coarse

Ans : (A)

78. Digits of first place and third place are interchanged of the numbers 349, 483, 766, 598, 674 and then the new numbers are arranged in ascending order.

Which would be the fourth number ?

- (A) 483
- (B) 766
- (C) 674
- (D) 598

Ans : (D)

79. What least number should be added to 2600 to make it a complete square ?

- (A) 3
- (B) 9
- (C) 1
- (D) 25

Ans : (C)

80. When sun-light passes through a glass prism, which of the following colours refracts the most ?

- (A) Blue
- (B) Red
- (C) Orange
- (D) Green

Ans : (A)

81. If $(78)^2$ is subtracted from the square of a number, we get 6460. What is that number ?

(A) 109

(B) 112

(C) 111

(D) 115

Ans : (B)

82. The difference between 28% and 42% of a number is 210. What is 59% of this number ?

(A) 900

(B) 420

(C) 885

(D) None of these

Ans : (C)

83. A–B means A is the father of B. A + B means A is the daughter of B. A ÷ B means A is the son of B. A × B means A is the wife of B. Then, what is the relation of P with T in the expression P + S – T ?

(A) Son

(B) Daughter

(C) Sister

(D) Wife

Ans : (C)

84. Ellora caves in Maharashtra were built during the rule of which of the following dynasties ?

(A) Rashtrakoot

(B) Pallav

(C) Pala

(D) Chola

Ans : (A)

85. But for the Surgeon's skill, the patient died.

(A) may have

(B) must have

(C) should have

(D) would have

Ans : (D)

86. I want to see the Principal, I have something to tell him urgently.

- (A) so
- (B) for
- (C) since
- (D) and

Ans : (C)

87. I wasn't really listening and didn't what he said.

- (A) catch
- (B) receive
- (C) accept
- (D) take

Ans : (A)

88. The first division of Congress took place in—

- (A) Surat
- (B) Kolkata
- (C) Allahabad
- (D) Chennai

Ans : (A)

89. What is ginger ?

- (A) Flower
- (B) Root
- (C) Stem
- (D) Leaf

Ans : (B)

90. Battle of Kalinga was fought at which of the following places ?

- (A) Udaigiri
- (B) Dhauli
- (C) Balasore
- (D) Barabaki

Ans : (B)

91. MIG aircraft manufacturing plant is located at which of the following places of Orissa ?

- (A) Beharampur
- (B) Sunabeda
- (C) Koraput
- (D) Sambalpur

Ans : (C)

1. Which of the following is a 'club moss' ?

- (A) Selaginella
- (B) Equisetum
- (C) Lycopodium
- (D) None of these

Ans : (C)

2. Raphe in Marsilea is present in—

- (A) Female gametophyte
- (B) Sporocarp
- (C) Sporophyte
- (D) Male gametophyte

Ans : (B)

3. The stele type occurring in Marsilea is—

- (A) Solenostele
- (B) Protostele
- (C) Amphiphloic Siphonostele
- (D) All of these

Ans : (C)

4. The morphological nature of rhizophore of Selaginella is—

- (A) Root like
- (B) Stem like
- (C) Both root and stem like
- (D) Rhizoid like

Ans : (C)

5. The Selaginella shows—

(A) Large and small leaves arranged spirally

(B) All leaves large

(C) All leaves small

(D) All of these

Ans : (A)

6. The anatomy of Pinus needle reflects the features of a—

(A) Mesophyte

(B) Xerophyte

(C) Hydrophyte

(D) Epiphyte

Ans : (B)

7. Girdling leaf traces are the characteristic feature of the stem of—

(A) Cycas

(B) Pinus

(C) Ephedra

(D) Gnetum

Ans : (A)

8. Pinus is a—

(A) Tree

(B) Shrub

(C) Herb

(D) None of these

Ans : (A)

9. The recent era is—

(A) Cenozoic

(B) Mesozoic

(C) Proterozoic

(D) Archeozoic

Ans : (A)

10. Fossils are found in—

(A) Igneous rocks

- (B) Quartz
- (C) Soil
- (D) Sedimentary rocks

Ans : (D)

11. Reserve food material in fungi is—

- (A) Glycogen
- (B) Starch
- (C) Sucrose
- (D) Maltose

Ans : (A)

12. Which is rootless fern ?

- (A) Pteris
- (B) Dryopteris
- (C) Salvinia
- (D) Adiantum

Ans : (C)

13. Which is common between aerobic respiration and anaerobic respiration ?

- (A) Similar substrate
- (B) Glycolysis
- (C) Pyruvic acid
- (D) All of these

Ans : (B)

14. Turpentine oil is obtained from—

- (A) Coal
- (B) Petroleum
- (C) Cedarwood
- (D) Pinus

Ans : (D)

15. Which alga was used by Calvin and his co-workers in their experiments of photosynthesis ?

- (A) Chlamydomonas
- (B) Chlorella

(C) Chara

(D) Volvox

Ans : (B)

16. Which is an oilseed crop ?

(A) Marigold

(B) Chrysanthemum

(C) Rose

(D) Sunflower

Ans : (D)

17. The first transgenic plant used for commercial production was—

(A) Cotton

(B) Tomato

(C) Tobacco

(D) Rice

Ans : (B)

18. Rare hybrid plants can be saved by—

(A) Pollen culture

(B) Embryo culture

(C) Protoplast culture

(D) None of these

Ans : (C)

19. Which is not a category ?

(A) Ecotype

(B) Species

(C) Genus

(D) Order

Ans : (A)

20. Linnaeus published his concept of binomial nomenclature first in—

(A) Systema Naturae

(B) Species Plantarum

(C) Genera Plantarum

(D) Philosophia Botanica

Ans : (B)

21. When chlorophyll is burnt which element is obtained ?

- (A) Ca
- (B) Na
- (C) Mg
- (D) Mn

Ans : (C)

22. Iron deficiency results in—

- (A) Leaf tip necrosis
- (B) Small leaves disease
- (C) Decreased protein synthesis
- (D) Intervenal chlorosis appearing first in young leaves

Ans : (D)

23. A phytohormone is—

- (A) Naturally produced
- (B) Synthetic substance
- (C) Both (A) and (B)
- (D) None of these

Ans : (A)

24. During the seismonastic movement in *Mimosa pudica* turgor changes occur in—

- (A) Leaflets
- (B) Stipules
- (C) Pulvinus leaf base
- (D) Petiole and stem

Ans : (C)

25. Evergreen trees remain green through the year on account of—

- (A) Cold climate
- (B) Absence of leaf fall
- (C) Leaves falling in small number interval
- (D) Supply of moisture throughout year

Ans : (C)

26. Phenotypic ratio of dihybrid test cross is—

- (A) 15 : 1
- (B) 3 : 1
- (C) 9 : 3 : 3 : 1
- (D) 1 : 1 : 1 : 1

Ans : (C)

27. The damaged ozone layer is situated in—

- (A) Ionosphere
- (B) Mesosphere
- (C) Stratosphere
- (D) Troposphere

Ans : (C)

28. Which one of the following is ordinarily not an air pollutant ?

- (A) CO₂
- (B) CO
- (C) SO₂
- (D) Hydrocarbon

Ans : (A)

29. Genes are made by—

- (A) Histones
- (B) Lipoproteins
- (C) Hydrocarbons
- (D) Polynucleotides

Ans : (D)

30. The term 'ecosystem' was proposed by—

- (A) Odum
- (B) Tansley
- (C) Whitker
- (D) Goli

Ans : (B)

31. The first juvenile larva of *Ascaris* is known as—

- (A) Filiform larva

(B) Rhabditiform larva

(C) Miracidium larva

(D) Microfilariae

Ans : (B)

32. Chromosomes contain—

(A) Protein only

(B) DNA and protein

(C) DNA, RNA and histone

(D) DNA, RNA, histone and non-histone proteins

Ans : (B)

33. Which are phagocytes in liver ?

(A) Kupffer cells

(B) Aciner cells

(C) Diter cells

(D) Hensen's cells

Ans : (A)

34. Termites digest wood with the help of an enzyme secreted by the—

(A) Salivary glands

(B) Cells in the midgut

(C) Symbiotic protozoa

(D) Bacteria and fungi outside the body

Ans : (C)

35. In honeybee colony the drones are produced by—

(A) Fertilized eggs

(B) Unfertilized eggs

(C) Larvae fed upon leaves

(D) Fasting larvae

Ans : (B)

36. Jacobson's organ is concerned with—

(A) Smell

(B) Burrowing

(C) Touch

(D) Vision

Ans : (A)

37. Body organisation in Hydra is of—

(A) Tissue grade

(B) Organ grade

(C) Cellular grade

(D) Organ system grade

Ans : (A)

38. Leech obtains continuous blood flow from its victim by pouring in it—

(A) Heparin

(B) Hirudin

(C) Insulin

(D) Pepsin

Ans : (B)

39. Spicules of Sponges are formed by—

(A) Procytes

(B) Pinacocytes

(C) Scleroblasts

(D) Thesocytes

Ans : (B)

40. Heterocoelous centrum is a characteristics of—

(A) Amphibia

(B) Reptilia

(C) Birds

(D) Mammalia

Ans : (C)

41. The exclusively sedentary protochordate animals are found in the class—

(A) Pterobranchia

(B) Larvacea

(C) Ascidiacea

(D) Thaliacea

Ans : (A)

42. Cytopyge is found in—

- (A) Paramecium
- (B) Entamoeba
- (C) Amoeba
- (D) Trypanosoma

Ans : (A)

43. Littoral form of animals is found—

- (A) In fresh water
- (B) In sea water near the shore
- (C) In deep sea
- (D) At the bottom of the sea

Ans : (D)

44. Bladder worm is a larva of—

- (A) Obelia
- (B) Silkworm
- (C) Taenia
- (D) Nereis

Ans : (C)

45. Which of the following secretions associated with digestion does not have enzymes ?

- (A) Bile
- (B) Gastric juice
- (C) Saliva
- (D) Pancreatic juice

Ans : (A)

46. Yellow fever is transmitted by—

- (A) Female Culex
- (B) Female Anopheles
- (C) Female Aedes
- (D) Housefly

Ans : (C)

47. The covering membrane of the vacuole is known as—

- (A) Tonoplast
- (B) Cell wall
- (C) Plasma layer
- (D) None of these

Ans : (A)

48. Age of fishes was known as—

- (A) Devonian
- (B) Ordovician
- (C) Crustaceous
- (D) Silurian

Ans : (A)

49. 'Quartan malaria' is caused by—

- (A) Plasmodium vivax
- (B) Plasmodium malariae
- (C) Plasmodium ovale
- (D) Plasmodium falciparum

Ans : (B)

50. The word 'species' was coined by—

- (A) John Ray
- (B) Mayer
- (C) J. Huxley
- (D) C. Linnaeus

Ans : (A)

51. An embryo of chick with 7 pairs of somites is—

- (A) 20 hours old
- (B) 22 hours old
- (C) 24 hours old
- (D) 18 hours old

Ans : (C)

52. In the mammals, cleavage result formation of solid mass of cells known—

- (A) Blastula

(B) Gastrula

(C) Morula

(D) Neurula

Ans : (C)

53. F1 particles are found in—

(A) Lysosome

(B) Mitochondria

(C) Golgi Body

(D) Endoplasmic reticulum

Ans : (B)

54. The name 'polytene chromosome' suggested by—

(A) E.G. Balbiani

(B) Kollar

(C) Heitz

(D) Bauer

Ans : (A)

55. Centriole is found in—

(A) Animal cells

(B) Red algae

(C) Prokaryotes

(D) Flowering plants

Ans : (A)

56. The first phylum of animal kingdom exhibiting bilateral symmetry is—

(A) Arthropoda

(B) Annelida

(C) Mollusca

(D) Platyhelminthes

Ans : (D)

57. The fresh water sponge is—

(A) Spongella

(B) Grantia

(C) Euplectella

(D) Euspongia

Ans : (A)

58. Flame cells are related with—

(A) Excretory system

(B) Digestive system

(C) Circulatory system

(D) Respiratory system

Ans : (A)

59. The intermediate host in the life cycle of *F. hepatica* (Liver fluke) is—

(A) Sheep

(B) Snail

(C) Man

(D) Bird

Ans : (B)

60. Vitelline membrane is found in—

(A) Birds

(B) Tunicates

(C) Fishes

(D) Mammals

Ans : (A)

61. Two-pigment system theory of photosynthesis was proposed by—

(A) Hill Emerson

(B) Emerson

(C) Blackmann

(D) Hatch and Slack

Ans : (B)

62. Photosynthetic pigments in chloroplast are embedded in membrane of—

(A) Thylakoids

(B) Photoglobin

(C) Matrix

(D) Envelope of chloroplast

Ans : (A)

63. The rate of photosynthesis is maximum in—

- (A) Green light
- (B) Blue light
- (C) Red light
- (D) White light

Ans : (C)

64. All energy is trapped in pigment system-1 in—

- (A) ATP
- (B) Carbohydrate
- (C) NADH₂
- (D) P-700

Ans : (D)

65. How many ATP molecules are produced, as a net gain, during the complete breakdown of glucose ?

- (A) 36
- (B) 28
- (C) 12
- (D) 18

Ans : (A)

66. Father of taxonomy is—

- (A) De Candolle
- (B) Hooker
- (C) Linnaeus
- (D) Aristotle

Ans : (C)

67. For entry in gene pool, a mutation occur in—

- (A) Somatic cells
- (B) Germ cells
- (C) Plasma proteins
- (D) Somatic DNA

Ans : (B)

68. Vessels differ from tracheids—

- (A) In being living
- (B) In being derived from a single cell
- (C) In having vertical row of cells and their cross wall dissolved
- (D) Because they conduct water

Ans : (C)

69. Which one is true nut ?

- (A) Walnut
- (B) Cashewnut
- (C) Groundnut
- (D) Coconut

Ans : (B)

70. After transcription, the mRNA molecule—

- (A) Disintegrates
- (B) Moves into cytoplasm
- (C) Replicates itself
- (D) Reassociates to form its structure

Ans : (B)

71. Fossilization is also known by the—

- (A) Acclimatization
- (B) Pasteurization
- (C) Preservation
- (D) Tyndallization

Ans : (C)

72. The branch that deals with the plants studies in the geological past is called—

- (A) Pteridology
- (B) Palaeobotany
- (C) Neurology
- (D) Archaeology

Ans : (B)

73. Birbal Sahni Institute of Palaeobotany is situated at—

- (A) Allahabad
- (B) Delhi
- (C) Mumbai
- (D) Lucknow

Ans : (D)

74. In plants, largest egg is found in—

- (A) Cycas
- (B) Sequoia
- (C) Pinus
- (D) Selaginella

Ans : (A)

75. Which one of the following is an example of symbiosis ?

- (A) Utricularia
- (B) Agaricus
- (C) Lichen
- (D) Mango

Ans : (C)

76. Which of the following pteridophytes is known as 'Horse-tail' ?

- (A) Rhynia
- (B) Selaginella
- (C) Equisetum
- (D) None of these

Ans : (C)

77. Marsilea is a—

- (A) Homosporic pteridophyte
- (B) Heterosporic pteridophyte
- (C) Non-sporic pteridophyte
- (D) Seeded pteridophyte

Ans : (B)

78. A plant bearing two types of spores is termed as—

- (A) Heterospory
- (B) Seed habit

(C) Homospory

(D) All of these

Ans : (A)

79. In *Pinus* present only—

(A) Male cone

(B) Female cone

(C) Male and female cones

(D) All of these

Ans : (D)

80. Number of cotyledons found in the embryo of *Cycas* is—

(A) 4

(B) 2

(C) 3

(D) 1

Ans : (B)

81. Bryophytes are—

(A) Aquatic

(B) Terrestrial

(C) Amphibious

(D) None of these

Ans : (C)

82. Sporophyte is dependent on gametophyte in—

(A) Algae

(B) Pteridophyta

(C) Fungi

(D) Bryophyta

Ans : (D)

83. In gametophytic phase of Bryophyta the last cell is—

(A) Gamete

(B) Spore

(C) Elater

(D) Zygote

Ans : (A)

84. In Funaria, the calyptra is formed by—

- (A) Antheridium
- (B) Columella
- (C) Capsule
- (D) Archegonium

Ans : (D)

85. A bryophyte differs from pteridophyte in—

- (A) Archegonia
- (B) Lack of vascular tissue
- (C) Independent gametophyte
- (D) None of these

Ans : (B)

86. Acid rain is mainly a mixture of—

- (A) Sulphuric acid and nitric acid
- (B) Hexane and methane
- (C) Acetic acid and bromine
- (D) Ascorbic acid and citric acid

Ans : (A)

87. Ribosomes are sites for—

- (A) Protein synthesis
- (B) Photosynthesis
- (C) Fat synthesis
- (D) Respiration

Ans : (A)

88. Pyramid of energy is—

- (A) Always inverted
- (B) Always upright
- (C) Sometimes inverted and sometimes upright
- (D) None of these

Ans : (B)

89. ATP is—

- (A) An enzyme which brings about oxidation
- (B) A hormone
- (C) A molecule with high energy phosphate bond
- (D) A protein

Ans : (C)

90. Which one of the following is not a feature of prokaryotic cell ?

- (A) Absence of nuclear membrane and the nucleus
- (B) Absence of cell organelles
- (C) Absence of genetic material
- (D) Absence of histone protein in the chromosome

Ans : (C)

91. Which one of the following is highly dangerous radioactive pollutant ?

- (A) Phosphorus-32
- (B) Sulphur-35
- (C) Strontium-90
- (D) Calcium-40

Ans : (C)

92. The indicator of SO₂ pollution of air is—

- (A) Lichen
- (B) Fern
- (C) Black mould
- (D) Moss

Ans : (A)

93. The founder of cell theory was—

- (A) Wolf
- (B) Rudolf Virchow
- (C) Myen, Von Moll and Raspail
- (D) Schleiden and Schwann

Ans : (D)

94. Fats in our body are formed when—

- (A) There is little glycogen in the body

- (B) Blood sugar level becomes constant
- (C) Glycogen storage in liver and muscles is completed
- (D) Intake of protein is high

Ans : (C)

95. Liver performs several functions. One of these functions is—

- (A) Histolysis
- (B) Digestion of proteins
- (C) Glycogenesis
- (D) Maintaining salt balance

Ans : (C)

96. Poison fangs of snakes are—

- (A) Maxillary teeth
- (B) Specialized structures
- (C) Premaxillary teeth
- (D) Vomerine teeth

Ans : (A)

97. Wings of butterfly, bird and bat are—

- (A) Homologous organs
- (B) Analogous organs
- (C) Unrelated organs
- (D) Vestigeal organs

Ans : (B)

98. 'Ozone Day' is observed on—

- (A) January, 30
- (B) April, 21
- (C) September, 16
- (D) December, 5

Ans : (C)

99. Which one of the following is the link between Annelida and Mollusca ?

- (A) Archaeopteryx
- (B) Peripatus
- (C) Neopilina

(D) Coelacanth

Ans : (C)

100. The heartbeat is regulated by—

(A) Pacemaker

(B) Vagus nerve

(C) Sympathetic nerve

(D) All of these

Ans : (D)

101. Which pair is correct ?

(A) Microlecithal eggs — Dipnoi

(B) Homolecithal eggs — Amphibia

(C) Mesolecithal eggs — Bird

(D) Centrolecithal eggs — Insect

Ans : (D)

102. The hypothesis of 'Coupling and Repulsion' for linkage was formulated by—

(A) Sutton and Boveri

(B) Bateson & Punnet

(C) T.H. Morgan

(D) W. Sutton

Ans : (B)

103. Balanoglossus is commonly known as—

(A) Earthworm

(B) Tapeworm

(C) Corn worm

(D) Tongue worm

Ans : (D)

104. In Drosophila, sex determination depends on—

(A) Y-chromosome

(B) X-chromosome

(C) Autosome

(D) X-chromosome & autosome both

Ans : (D)

105. Nonsense codons are—

- (A) AUG, AAU, UAG
- (B) GGU, AGU, AUG
- (C) UAG, UAA, UGA
- (D) GAU, AAU, GUA

Ans : (C)

106. In which stage does centromere divide in two ?

- (A) Metaphase-I
- (B) Prophase-I
- (C) Metaphase-II
- (D) Anaphase-II

Ans : (D)

107. Which animal is egg laying mammal ?

- (A) Didelphys
- (B) Macropus
- (C) Pteropus
- (D) Tachyglossus

Ans : (D)

108. An oil producing gland on the tail of bird is known as—

- (A) Preen gland
- (B) Mucus gland
- (C) Green gland
- (D) Sebaceous gland

Ans : (A)

109. A snake that is viviparous is—

- (A) The Russell's pitless viper
- (B) The pit viper
- (C) Rattle snake
- (D) Kraits

Ans : (B)

110. A gland which is found on undersurface of the thighs of male lizard ?

- (A) Sudorific gland
- (B) Femoral gland
- (C) Green gland
- (D) Stink gland

Ans : (B)

111. Which of the following is not a path flagellate ?

- (A) Leishmania
- (B) Giardia
- (C) Trypanosoma
- (D) Noctiluca

Ans : (D)

112. The Glochidium larva of Unio—

- (A) Is free swimming
- (B) Is ectoparasite on fish
- (C) Is endoparasite on fish
- (D) Lives in bottom

Ans : (B)

113. The term 'Plasmalemma' was given by—

- (A) C. Nageli & C. Cramer
- (B) J.Q. Plowe
- (C) Dancilli & Davson
- (D) Robertson

Ans : (B)

114. Smooth endoplasmic reticulum performs—

1. Synthesis of lipids
2. Glycogenolysis
3. Sterol metabolism
4. Detoxification

Codes :

- (A) Only 4 is correct
- (B) 1 and 2 both are correct
- (C) 2 and 3 both are correct
- (D) All are correct

Ans : (D)

115. The innermost layer of egg albumen in birds is called—

- (A) Inner thin albumen
- (B) Vitelline membrane
- (C) Dense albumen
- (D) Chalaziferous layer

Ans : (B)

116. In which one of the following is the anus absent ?

- (A) Leech
- (B) Roundworm
- (C) Earthworm
- (D) Flatworm

Ans : (D)

117. Which type of jaw suspension is found in mammals ?

- (A) Autostylic
- (B) Holostylic
- (C) Craniostylic
- (D) Hyostylic

Ans : (A)

118. Synthesis of urea in liver takes place by—

- (A) Nitrogen cycle
- (B) Krebs' cycle
- (C) Glycolysis
- (D) Ornithine cycle

Ans : (D)

119. Sexual dimorphism is found in—

- (A) Hydra
- (B) Earthworm
- (C) Ascaris
- (D) Fasciola

Ans : (B)

120. Which of the following animals has a nervous system but no brain ?

- (A) Amoeba
- (B) Hydra
- (C) Cockroach
- (D) Earthworm

Ans : (B)

121. Aristotle's Lantern occurs in—

- (A) Asteroidea
- (B) Echinoidea
- (C) Holothuroidea
- (D) Crinoidea

Ans : (B)

122. Neoteny is observed in—

- (A) Ambystoma
- (B) Alytes
- (C) Sycon
- (D) Sacculina

Ans : (A)

123. Kidneys are vital organs of the body because they help in—

- (A) Regulation of body fluids
- (B) Regulation of acid-base balance
- (C) Removal of metabolic wastes
- (D) All of these functions

Ans : (D)

124. The infective stage of malarial parasite is—

- (A) Trophozoite
- (B) Merozoite
- (C) Sporozoite
- (D) Cyst

Ans : (C)

125. Parasitic castration occurs in—

- (A) Fasciola

- (B) Nereis
- (C) Sacculina
- (D) Palaemon

Ans : (C)

1. In which one of the following animals is respiration done by skin ?

- (A) Flying fish
- (B) Sea horse
- (C) Frog
- (D) Chameleon

Ans : (C)

2. "Foot and Mouth Disease" is found in—

- (A) Cats and Dogs
- (B) Cattle
- (C) Poultry
- (D) Humans

Ans : (B)

3. Who of the following recognized that large quantity of energy is released as a result of the fusion of hydrogen nuclei to form deuterium ?

- (A) Enrico Fermi
- (B) Glenn Seaborg
- (C) Hans Bethe
- (D) Werner Heisenberg

Ans : (C)

4. Brass is an alloy of which of the following pairs of metals ?

- (A) Aluminium and Copper
- (B) Chromium and Tin
- (C) Copper and Tin
- (D) Copper and Zinc

Ans : (D)

5. Which one of the following bacteria helps in improving the soil fertility ?

- (A) Clostridium
- (B) Rhizobium
- (C) Salmonella

(D) Staphylococcus

Ans : (B)

6. Consider the following statements :

1. In a person suffering from myopia, the image of a distant object is formed behind the retina.

2. Myopia can be corrected by using a concave lens.

Which of the above statements is/are correct ?

(A) 1 only

(B) 2 only

(C) Both 1 and 2

(D) Neither 1 nor 2

Ans : (B)

7. Match List-I with List-II and select the correct answer using the codes given below the lists :

List-I (Theory/Law/Principle)

(a) Electromagnetism

(b) Principles of Inheritance

(c) Laws of Inertia

(d) Theory of Natural Selection

List-II (Scientist)

1. Darwin

2. Faraday

3. Mendel

4. Newton

Codes :

(a) (b) (c) (d)

(A) 1 4 3 2

(B) 2 3 4 1

(C) 1 3 4 2

(D) 2 4 3 1

Ans : (B)

8. Which one of the following is a vitamin ?

(A) Citric acid

(B) Folic acid

(C) Glutamic acid

(D) Linoleic acid

Ans : (B)

9. Which one of the following varieties of coal is considered the best quality ?

(A) Anthracite

(B) Bituminous

(C) Lignite

(D) Peat

Ans : (A)

10. Who of the following discovered the laws of planetary orbits ?

(A) Galileo Galilei

(B) Nicholas Copernicus

(C) Johannes Kepler

(D) Isaac Newton

Ans : (C)

11. Consider the following statements—

1. The main constituent of LPG is Butane.

2. The main constituent of Biogas is Methane.

Which of the statements given above is/are correct ?

(A) 1 only

(B) 2 only

(C) Both 1 and 2

(D) Neither 1 nor 2

Ans : (C)

12. Through which one among the following materials does sound travel slowest ?

(A) Air

(B) Glass

(C) Water

(D) Wood

Ans : (A)

13. Which one of the following is used in preparing match sticks ?

(A) Chile saltpetre

- (B) Indian saltpetre
- (C) Red phosphorus
- (D) Sodium bicarbonate

Ans : (C)

14. Consider the following pairs :

1. Rewalsar lake—Himachal Pradesh
2. Nakki lake—Madhya Pradesh
3. Renuka lake—Uttarakhand

Which of the above pairs is/are correct ?

- (A) 1 only
- (B) 1 and 2 only
- (C) 2 and 3 only
- (D) 1, 2 and 3

Ans : (A)

15. Which National Highway connects Chennai and Visakhapatnam ?

- (A) NH 4
- (B) NH 5
- (C) NH 6
- (D) NH 8

Ans : (B)

16. Among A, B, C, D and E, E is shorter than D but taller than B who is taller than C. A is taller than E. If all are standing according to their heights and we start counting from the tallest who would be fourth ?

- (A) C
- (B) B
- (C) E
- (D) Cannot be determined as the data is insufficient.

Ans : (B)

17. A man is facing south. He turns 135° in the anticlockwise direction and then 180° in the clockwise direction. The direction he is facing now is—

- (A) North-east
- (B) North-west
- (C) South-east

(D) South-west

Ans : (D)

18. The average score of three boys in Mathematics is 30. When the score of a fourth boy is added to the total score of the three boys, the average is lowered to 25. What is the score of the fourth boy ?

(A) 10

(B) 15

(C) 20

(D) 25

Ans : (A)

19. Among five friends—

Mangla is taller than Neela but as tall as Pushpa.

Asha is taller than Sapna but not as tall as Neela.

In this group who is the shortest ?

(A) Mangla

(B) Sapna

(C) Pushpa

(D) Asha

Ans : (B)

20. The sum of income of A and B is more than that of C and D taken together.

The sum of income of A and C is the same as that of B and D taken together.

Moreover, A earns half as much as the sum of the income of B and D. The highest income is of—

(A) A

(B) B

(C) C

(D) D

Ans : (B)

21. In a class of 60 students, where the girls are twice that of boys, Kamal ranked seventeenth from the top. If there are 9 girls ahead of Kamal, the number of boys in rank after him is—

(A) 3

(B) 7

(C) 12

(D) 13

Ans : (C)

22. A walks 10 metre in front and 10 metre to the right. Then every time turning to his left, he walks 5, 15 and 15 metre respectively. What is the distance from his initial point ?

(A) 5 metre

(B) 10 metre

(C) 15 metre

(D) 23 metre

Ans : (A)

23. The number of terms between 11 and 200 which are divisible by 7 but not by 3 are—

(A) 18

(B) 19

(C) 27

(D) 28

Ans : (A)

24. What is the 6th term in the sequence of 2, 3, 6, 11, 18 ?

(A) 25

(B) 27

(C) 29

(D) 31

Ans : (B)

25. Let a number of three digits have for its middle digit the sum of the other two digits. Then it is a multiple of—

(A) 11

(B) 10

(C) 18

(D) 50

Ans : (A)

26. If X and Y are brothers; Z is sister of X; P is brother of Q; and Q is

daughter of Y. Then who is the uncle of P ?

(A) Z

(B) X

(C) Q

(D) Y

Ans : (B)

27. A set of figures carrying certain numbers is given. Assuming that the numbers in each figure follow a similar pattern, the missing number is—

(A) 19

(B) 23

(C) 25

(D) 31

Ans : (D)

28. Some positions of dice are shown below :

What is the number opposite to 4 ?

(A) 6

(B) 5

(C) 2

(D) 1

Ans : (D)

29. Match List-I with List-II and select the correct answer using the codes

given below the lists :

List-I (Scientists)

(a) Birbal Sahni

(b) Ramanujan Srinivasa

(c) Sir C.V. Raman

(d) Sir J.C. Bose

List-II (Well known as)

1. Mathematician

2. Paleobotanist

3. Physicist-Botanist

4. Physicist

Codes :

(a) (b) (c) (d)

(A) 3 1 4 2

(B) 2 1 4 3

(C) 3 4 1 2

(D) 2 4 1 3

Ans : (B)

30. The phenomenon of "total internal reflection" is observed in which one of the following ?

(A) Glowing tube light

(B) Light passing through lens

(C) Sparkling diamond

(D) Twinkling star

Ans : (C)

31. From which year did Saka era begin ?

(A) 78 B.C.

(B) 78 A.D.

(C) 178 A.D.

(D) 278 A.D.

Ans : (B)

32. Among the following elements, which one is not present in a pure sugar ?

(A) Carbon

(B) Hydrogen

(C) Nitrogen

(D) Oxygen

Ans : (C)

33. Match List-I with List-II and select the correct answer using the codes given below the lists :

List-I (Organisation)

(a) UNESCO

(b) IMF

(c) ILO

(d) UNIDO

List-II (Headquarters)

1. Geneva
2. Paris
3. Vienna
4. Washington , D.C.

Codes :

(a) (b) (c) (d)

(A) 2 1 4 3

(B) 2 4 1 3

(C) 3 1 4 2

(D) 3 4 1 2

Ans : (B)

34. By convention, who of the following is the Chairman of Press Council of India ?

- (A) An eminent journalist of India
- (B) A senior Civil Services Officer
- (C) A retired Judge of the Supreme Court of India
- (D) The Union Minister of Information and Broadcasting

Ans : (C)

35. Consider the following statements :

1. No money bill can be introduced in the Parliament without the recommendation of the President of India.
2. The Prime Minister appoints Finance Commission for distribution of taxes between the Union and the States.

Which of the statements given above is/are correct ?

- (A) 1 only
- (B) 2 only
- (C) Both 1 and 2
- (D) Neither 1 nor 2

Ans : (A)

36. Five-Year Plans in India are finally approved by the—

- (A) Union Cabinet
- (B) President on the advice of Prime Minister
- (C) National Development Council

(D) Planning Commission

Ans : (C)

37. In India, the power to increase the number of judges in the Supreme Court lies with—

(A) The President of India

(B) The Chief Justice of India

(C) The Union Ministry of Law

(D) The Parliament of India

Ans : (D)

38. In the Constitution of India, promotion of international peace and security is mentioned in the—

(A) Preamble to the Constitution

(B) Directive Principles of State Policy

(C) Fundamental Duties

(D) Ninth Schedule

Ans : (B)

39. Consider the following statements :

1. The Prime Minister of India is the ex-officio Chairman of the Planning Commission.

2. The Union Finance Minister is the ex-officio Chairman of the Finance Commission.

Which of the statements given above is/are correct ?

(A) 1 only

(B) 2 only

(C) Both 1 and 2

(D) Neither 1 nor 2

Ans : (A)

40. Consider the following statements :

1. When Vice-President acts as President of India, he ceases to perform the function of the Chairman of Rajya Sabha.

2. The President of India can promulgate Ordinances at any time except when both Houses of Parliament are in session.

Which of the statements given above is/are correct ?

- (A) 1 only
- (B) 2 only
- (C) Both 1 and 2
- (D) Neither 1 nor 2

Ans : (C)

41. The maximum number of members that the Legislative Assembly of a State in India can have is—

- (A) 400
- (B) 450
- (C) 500
- (D) 550

Ans : (C)

42. Bank rate is the rate at which the Reserve Bank of India provides loans to—

- (A) Public Sector Undertakings
- (B) Scheduled Commercial Banks
- (C) Private Corporate Sector
- (D) Non-Banking Financial Institutions

Ans : (B)

43. Who is empowered by the Constitution of India to dissolve the Lok Sabha before expiry of its terms ?

- (A) The Prime Minister of India on the advice of the Speaker of the Lok Sabha
- (B) The President of India
- (C) The President of India on the advice of the Prime Minister of India
- (D) The Speaker of the Lok Sabha

Ans : (C)

44. In which year was “Rajiv Gandhi Grameen Vidyutikaran Yojana” launched ?

- (A) 2004
- (B) 2005
- (C) 2006
- (D) 2007

Ans : (B)

45. The ‘Uruguay Round’ negotiations resulted in the establishment of—

- (A) NATO
- (B) OECD
- (C) WHO
- (D) WTO

Ans : (D)

46. With reference to Union Government, which one of the following does undertake the country-wide Economic Census ?

- (A) Department of Expenditure
- (B) The National Sample Survey Organization
- (C) Planning Commission
- (D) The Central Statistical Organization

Ans : (B)

47. Geeta Chandran is well known as a/an—

- (A) Bharatnatyam dancer
- (B) Classical Carnatic vocalist
- (C) Film director
- (D) Exponent of Violin

Ans : (A)

48. With reference to Indian Freedom Struggle, consider the following statements

:

1. P.C. Ray founded the Bengal Chemical Works.
2. V.O. Chidambaram Pillai set up the Steam Navigation Company.

Which of the statements given above is/are correct ?

- (A) 1 only
- (B) 2 only
- (C) Both 1 and 2
- (D) Neither 1 nor 2

Ans : (C)

49. Who of the following was the first speaker of the Lok Sabha ?

- (A) G. S. Dhillon
- (B) G. V. Mavalankar
- (C) Hukam Singh
- (D) K. S. Hegde

Ans : (B)

50. Who of the following is associated with Tashkent agreement ?

- (A) Pandit Jawaharlal Nehru
- (B) Lal Bahadur Shastri
- (C) Indira Gandhi
- (D) Morarji Desai

Ans : (B)

51. Simon Commission was appointed to look into the working of the—

- (A) Indian Councils Act, 1892
- (B) Government of India Act, 1909
- (C) Government of India Act, 1919
- (D) Government of India Act, 1935

Ans : (C)

52. Which one of the following is a primate ?

- (A) Bear
- (B) Loris
- (C) Pangolin
- (D) Otter

Ans : (B)

53. Consider the following :

1. Potato
2. Radish
3. Turnip
4. Yam

In which of the above are roots used as vegetables ?

- (A) 1, 2 and 3
- (B) 2, 3 and 4
- (C) 2 and 4 only
- (D) 1 and 3 only

Ans : (B)

54. Which one of the following metals is found in 'Plaster of Paris' ?

- (A) Calcium

(B) Magnesium

(C) Potassium

(D) Sodium

Ans : (A)

55. Which one of the following is an enzyme ?

(A) Glucagon

(B) Insulin

(C) Somatotropin

(D) Trypsin

Ans : (D)

56. International Date Line passes through which of the following ?

(A) Atlantic ocean

(B) Black sea

(C) Mediterranean sea

(D) Pacific ocean

Ans : (D)

57. The deficiency of which one of the following causes a disease called Pellagra ?

(A) Ascorbic acid

(B) Folic acid

(C) Nicotinic acid

(D) Pantothenic acid

Ans : (D)

58. Match List-I with List-II and select the correct answer using the codes given below the lists :

List-I (Disease)

(a) Filaria

(b) Influenza

(c) Ringworm

(d) Typhoid

List-II (Type of causative organism)

1. Bacteria

2. Fungus

3. Nematode

4. Virus

Codes :

(a) (b) (c) (d)

(A) 1 2 4 3

(B) 1 4 2 3

(C) 3 2 4 1

(D) 3 4 2 1

Ans : (D)

59. From the evolutionary point of view, which one of the following is closer to man ?

(A) Dolphin

(B) Flying fish

(C) Shark

(D) Tortoise

Ans : (A)

60. Who of the following is known as Lokahitavadi ?

(A) G. H. Deshmukh

(B) G. K. Gokhale

(C) J. G. Phule

(D) M. G. Ranade

Ans : (A)

61. With reference to Indian freedom struggle which one among the following events occurred earliest ?

(A) Gandhi-Irwin Pact

(B) Lucknow Pact

(C) Cripps Mission Proposals

(D) August offer

Ans : (B)

62. During India's freedom struggle, which one of the following led to the first 'All India Hartal' ?

(A) Protest against Rowlatt Act

(B) Protest against Jallianwalla Bagh massacre

- (C) Trial of Mahatma Gandhi
- (D) Arrival of Simon Commission

Ans : (D)

63. The Non-Cooperation movement was called off as a result of agitation at which one of the following places ?

- (A) Calcutta
- (B) Champaran
- (C) Chauri Chaura
- (D) Meerut

Ans : (C)

64. Consider the following pairs :

1. Ilbert Bill —Lord Hastings
2. August Offer —Lord Ripon

Which of the above pairs is/are correctly matched ?

- (A) 1 only
- (B) 2 only
- (C) Both 1 and 2
- (D) Neither 1 nor 2

Ans : (D)

65. Who of the following founded the 'East India Association' ?

- (A) C.R. Das
- (B) Dadabhai Naoroji
- (C) Devendra Nath Tagore
- (D) V.D. Savarkar

Ans : (B)

66. Who of the following started the newspaper 'Bande Mataram' ?

- (A) Barindra Kumar Ghose
- (B) Bipin Chandra Pal
- (C) Devendra Nath Tagore
- (D) Surendra Nath Banerjee

Ans : (B)

67. Consider the following famous historical persons :

1. Ashvaghosha
2. Bhavabhuti
3. Nagarjuna
4. Nagasena

Who of the above are Buddhist scholars ?

- (A) 1 and 3 only
- (B) 2, 3 and 4
- (C) 1, 3 and 4
- (D) 1, 2 and 4

Ans : (C)

68. Which one among the following types of forests exhibits highest bio-diversity ?

- (A) Dry deciduous forest
- (B) Tropical rain forest
- (C) Moist deciduous forest
- (D) Mangrove forest

Ans : (B)

69. Among the following rivers, which one is the longest ?

- (A) Godavari
- (B) Krishna
- (C) Mahanadi
- (D) Narmada

Ans : (A)

70. Where is the headquarters of Asian Development Bank ?

- (A) Jakarta
- (B) Manila
- (C) Singapore
- (D) Bangkok

Ans : (B)

71. The National River Conservation Directorate is under—

- (A) Ministry of Agriculture
- (B) Ministry of Environment and Forests
- (C) Ministry of Earth Sciences

(D) Ministry of Water Resources

Ans : (B)

72. Consider the following statements :

1. Mikhail Gorbachev was the first President of Russian Federation.

2. Dmitry Medvedev is the fifth President of Russian Federation.

Which of the statements given above is/are correct ?

(A) 1 only

(B) 2 only

(C) Both 1 and 2

(D) Neither 1 nor 2

Ans : (B)

73. Who of the following is the author of the book 'My Country, My Life' ?

(A) A.P.J. Abdul Kalam

(B) Atal Behari Vajpayee

(C) L.K. Advani

(D) Shashi Tharoor

Ans : (C)

74. Which one of the following beaches is visited by Olive Ridley turtles annually for mass nesting ?

(A) Chandipur

(B) Gahirmatha

(C) Gopalpur

(D) Paradwip

Ans : (B)

75. The administration of the English East India Company in India came to an end in—

(A) 1857

(B) 1858

(C) 1862

(D) 1892

Ans : (B)

76. Who of the following is not a sports-person ?

- (A) C. B. Bhave
- (B) P. T. Raghunath
- (C) Samaresh Jung
- (D) Suma Shirur

Ans : (A)

77. The famous name Vikram Pandit is associated with—

- (A) Cairn Energy
- (B) Citigroup
- (C) PepsiCo
- (D) Vodafone

Ans : (B)

78. What is H5N1 in the news in recent times ?

- (A) A new multi-purpose helicopter of Indian Army
- (B) A virus causing Bird Flu
- (C) The nearest galaxy to our own Milkyway
- (D) A genetically modified rice plant

Ans : (B)

79. The Jarawa tribe lives in which one of the following States/Union Territories ?

- (A) Arunachal Pradesh
- (B) Assam
- (C) Andaman and Nicobar Islands
- (D) Lakshadweep Islands

Ans : (C)

80. A very young sportsperson of India, Viradhawal Khade is a—

- (A) Boxer
- (B) Chess player
- (C) Golfer
- (D) Swimmer

Ans : (D)

81. Which one among the following is a water soluble vitamin ?

- (A) Vitamin A

- (B) Vitamin C
- (C) Vitamin E
- (D) Vitamin K

Ans : (B)

82. Which one of the following is a pigment ?

- (A) Albumin
- (B) Elastin
- (C) Keratin
- (D) Melanin

Ans : (D)

83. On which one of the following dates did Jawaharlal Nehru unfurl the tri-color national flag on the banks of the Ravi as the clock struck the midnight ?

- (A) 31st December, 1929
- (B) 26th January, 1930
- (C) 31st December, 1931
- (D) 26th January, 1933

Ans : (A)

84. Tipu Sultan died fighting the English forces under—

- (A) Lord Cornwallis
- (B) Lord Wellesley
- (C) Lord Dalhousie
- (D) Lord Hastings

Ans : (B)

85. The battle of Wandiwash was fought between—

- (A) Marathas and Portuguese
- (B) The English and the French
- (C) The English and Portuguese
- (D) Marathas and the English

Ans : (B)

86. The author of 'Nildarpan' was—

- (A) Dinabandhu Mitra

- (B) Sivnath Sastri
- (C) Devendra Nath Tagore
- (D) Harishchandra Mukherjee

Ans : (A)

87. The firstly weekly Bengali newspaper 'Samachar Darpan' was published by—

- (A) Harish Chandra Mukherjee
- (B) Dinabandhu Mitra
- (C) Marshman
- (D) Vidyasagar

Ans : (C)

88. Who among the following Peshwas was popularly known as Nana-Saheb ?

- (A) Balaji Vishwanath
- (B) Baji Rao
- (C) Balaji Baji Rao
- (D) Madhav Rao I

Ans : (C)

89. Who was responsible for the introduction of the Vernacular Press Act of 1878

?

- (A) Lord Mayo
- (B) Lord Lytton
- (C) Lord Ripon
- (D) Lord Curzon

Ans : (B)

90. Alauddin Khalji captured the Delhi throne after securing fabulous wealth

from—

- (A) Chanderi
- (B) Gujarat
- (C) Devagiri
- (D) Madurai

Ans : (C)

91. Who of the following was a contemporary of Gautama Buddha ?

- (A) Bhadrabahu

- (B) Chandragupta Maurya
- (C) Parsvanatha
- (D) Vardhamana Mahavira

Ans : (D)

92. When Babur invaded India who was the ruler of Vijayanagara empire in south India ?

- (A) Saluva Narasimha
- (B) Devaraya II
- (C) Krishna Deva Raya
- (D) Sadasiva Raya

Ans : (C)

93. Who of the following was a contemporary of Chingiz Khan ?

- (A) Mahmud of Ghazni
- (B) Iltutmish
- (C) Alauddin Khalji
- (D) Mohammad bin-Tughlaq

Ans : (B)

94. Dara Shikoh finally lost the war of succession to Aurangzeb in the battle of—

- (A) Dharmat
- (B) Samugarh
- (C) Deorai
- (D) Khanua

Ans : (B)

95. Who is the author of the book 'Glimpses of World History' ?

- (A) Abul Kalam Azad
- (B) Jawaharlal Nehru
- (C) S. Gopalan
- (D) S. Radhakrishnan

Ans : (B)

96. Match List-I with List-II and select the correct answer using the codes given below the lists :

List-I (Reservoir)

- (a) Stanley Reservoir
- (b) Koyna Reservoir
- (c) Jalaput Reservoir
- (d) Bhadra Reservoir

List-II (State)

1. Karnataka
2. Maharashtra
3. Orissa
4. Tamil Nadu

Codes :

- (a) (b) (c) (d)
- (A) 1 2 3 4
- (B) 1 3 2 4
- (C) 4 3 2 1
- (D) 4 2 3 1

Ans : (D)

97. Match List-I with List-II and select the correct answer using the codes

given below the lists :

List-I (Irrigation/Power Projects)

- (a) Malprabha
- (b) Kakrapara
- (c) Srisaillam
- (d) Bhima

List-II (Location)

1. Andhra Pradesh
2. Karnataka
3. Gujarat
4. Maharashtra

Codes :

- (a) (b) (c) (d)
- (A) 4 1 3 2
- (B) 2 1 3 4
- (C) 4 3 1 2
- (D) 2 3 1 4

Ans : (D)

98. Which one among the following countries is the largest producer of Bauxite ?

- (A) Australia
- (B) Brazil
- (C) West Indies
- (D) India

Ans : (A)

99. The busy port of Rotterdam is situated in—

- (A) The Netherlands
- (B) Belgium
- (C) Denmark
- (D) Germany

Ans : (A)

100. Which one of the following descriptions denotes the phenomenon of El Niño ?

- (A) A violent rotating column of air extending from a thunderstorm to the ground
- (B) The deflection of the ocean currents in the northern and southern hemispheres due to the rotation of Earth
- (C) The Anomalous widespread warming of the sea surface of the tropical east and central Pacific Ocean
- (D) The revolving tropical storms of the Caribbean and Gulf of Mexico

Ans : (C)

101. Match List-I with List-II and select the correct answer using the codes

given below the lists :

List-I (Country)

- (a) Argentina
- (b) Brazil
- (c) Peru
- (d) Venezuela

List-II (Capital City)

1. Buenos Aires
2. Caracas
3. Lima
4. Sao Paulo

Codes :

(a) (b) (c) (d)

(A) 1 3 4 2

(B) 1 4 3 2

(C) 2 3 4 1

(D) 2 4 3 1

Ans : (B)

102. Match List-I with List-II and select the correct answer using the codes

given below the lists :

List-I (Sea)

(a) Adriatic Sea

(b) Baltic Sea

(c) North Sea

(d) Black Sea

List-II (Country)

1. Bulgaria

2. Italy

3. Poland

4. United Kingdom

Codes :

(a) (b) (c) (d)

(A) 2 4 3 1

(B) 2 3 4 1

(C) 1 2 4 3

(D) 1 4 2 3

Ans : (B)

103. Among the following States, which one has the highest amount of Nickel Ore resources ?

(A) Chhattisgarh

(B) Jharkhand

(C) Karnataka

(D) Orissa

Ans : (D)

104. What is the name of the highest summit of Nilgiri Hills ?

(A) Coonoor-betta

- (B) Anaimudi
- (C) Doda-betta
- (D) Vellangiri

Ans : (C)

105. Recently, which one of the following lost the status of a planet ?

- (A) Mercury
- (B) Neptune
- (C) Pluto
- (D) Uranus

Ans : (C)

106. Which one of the following countries was hit by the cyclone Nargis recently causing a great destruction and loss of life ?

- (A) Bangladesh
- (B) Myanmar
- (C) Sri Lanka
- (D) Pakistan

Ans : (B)

107. Which one among the following is nearest to Indira Gandhi Centre for Atomic Research ?

- (A) Chidambaram
- (B) Mahabalipuram
- (C) Madurai
- (D) Tanjavur

Ans : (B)

108. Which of the following are connected by over 1700 km-long BTC oil pipe-line ?

- (A) Arabian sea and Mediterranean sea
- (B) Aral sea and Caspian sea
- (C) Black sea and Mediterranean sea
- (D) Caspian sea and Mediterranean sea

Ans : (D)

109. Where is the old and over 2 km-long 'Pamban Railway Bridge' which attracts

tourists from all over the country ?

- (A) Nilgiris
- (B) Krishna delta
- (C) Palk straits
- (D) Malabar coast

Ans : (C)

110. Consider the following statements :

1. The monsoon climate is found in Northern Australia.
2. The China type climate is found in Argentina.

Which of the statements given above is/are correct ?

- (A) 1 only
- (B) 2 only
- (C) Both 1 and 2
- (D) Neither 1 nor 2

Ans : (A)

111. At which one of the following places is the monkey called Liontailed macaque naturally found ?

- (A) Shivaliks
- (B) Pachmarhi
- (C) Annamalai Sanctuary
- (D) Nilgiris

Ans : (C)

112. Among the following places, which one receives comparatively lowest average monsoon rainfall from June to September ?

- (A) Eastern Uttar Pradesh
- (B) Southern West Bengal
- (C) Punjab
- (D) Western Uttar Pradesh

Ans : (C)

113. Consider the following statements :

1. Baking soda is used in fire extinguishers.
2. Quick lime is used in the manufacture of glass.

Which of the statements given above is/are correct ?

- (A) 1 only
- (B) 2 only
- (C) Both 1 and 2
- (D) Neither 1 nor 2

Ans : (C)

114. Consider the following statements :

1. Ian Wilmut produced the first portable computer.
2. Adam Osborne created the first cloned sheep.

Which of the statements given above is/are correct ?

- (A) 1 only
- (B) 2 only
- (C) Both 1 and 2
- (D) Neither 1 nor 2

Ans : (D)

115. Which one of the following is the first multipurpose river valley project of independent India ?

- (A) Bhakra-Nangal Project
- (B) Damodar Valley Corporation
- (C) Hirakud Multipurpose Project
- (D) Tungabhadra Multipurpose Project

Ans : (B)

116. Match List-I with List-II and select the correct answer using the codes given below the lists :

List-I (Fertilizer Industry)

- (a) Aluva
- (b) Namrup
- (c) Nangal
- (d) Sindri

List-II (State)

1. Assam
2. Jharkhand
3. Kerala
4. Punjab

Codes :

(a) (b) (c) (d)

(A) 2 1 4 3

(B) 2 4 1 3

(C) 3 1 4 2

(D) 3 4 1 2

Ans : (C)

117. The famous Petronas Twin Towers are located in—

(A) China

(B) Japan

(C) Malaysia

(D) Indonesia

Ans : (C)

118. Match List-I with List-II and select the correct answer using the codes

given below the lists :

List-I (Famous place)

(a) Bhimbhetka

(b) Bhitarkanika

(c) Pattadakal

(d) Srikalahasti

List-II (State)

1. Andhra Pradesh

2. Karnataka

3. Madhya Pradesh

4. Orissa

Codes :

(a) (b) (c) (d)

(A) 1 2 4 3

(B) 3 2 4 1

(C) 1 4 2 3

(D) 3 4 2 1

Ans : (D)

119. Bokaro Steel Limited was established with the assistance of—

(A) Germany

(B) Soviet Union

(C) UK

(D) USA

Ans : (B)

120. Which one of the following is not a member of Organization of the Petroleum Exporting Countries (OPEC) ?

(A) Algeria

(B) Brazil

(C) Ecuador

(D) Nigeria

Ans : (B)

121. Consider the following cities :

1. Bhatinda

2. Jamnagar

3. Mangalore

Which of the above has/have oil refineries ?

(A) 1 and 2 only

(B) 3 only

(C) 2 and 3 only

(D) 1, 2 and 3

Ans : (C)

122. Match List-I with List-II and select the correct answer using the codes

given below the lists :

List-I (Person)

(a) K. V. Kamath

(b) G. M. Rao

(c) Rajendra Pachauri

List-II (Well known as)

1. Banker

2. Environmentalist

3. Industrialist

Code

(a) (b) (c)

(A) 1 2 3

(B) 1 3 2

(C) 2 3 1

(D) 3 1 2

Ans : (B)

123. Consider the following statements :

1. The Shivaliks have tropical moist deciduous flora.
2. The Bundelkhand plateau has thorn and scrub forest type of vegetation.

Which of the statements given above is/are correct ?

(A) 1 only

(B) 2 only

(C) Both 1 and 2

(D) Neither 1 nor 2

Ans : (B)

124. Which one among the following rivers is the longest ?

(A) Amazon

(B) Amur

(C) Congo

(D) Volga

Ans : (A)

125. Consider the following statements :

1. Rainfall in the doldrums is of convectional nature.
2. Convectional rainfall is highly localized and is associated with minimum cloudiness.

Which of the statements given above is/are correct ?

(A) 1 only

(B) 2 only

(C) Both 1 and 2

(D) Neither 1 nor 2

Ans : (C)

1. How many such pairs of digits are there in number '36725918' each of which has as many digits between them in the number as when the digits are arranged in descending order within the numbers ?

(A) None

(B) One

(C) Two

(D) Three

(E) More than three

Ans : (C)

2. What should come next in the following number series ?

6 8 8 1 2 6 8 6 1 2 3 6 8 8 1 2 3 4 6 8 6 1 2 3 4 5 6 8 ?

(A) 6

(B) 1

(C) 4

(D) 8

(E) None of these

Ans : (D)

3. In a certain code PAGE is written as '3%7@', SORE is written as 8©9@. How is 'PEAS' written in that code ?

(A) 3@©8

(B) 3@%9

(C) 3@%8

(D) 3%@8

(E) None of these

Ans : (C)

4. If '@' means 'x', '©' means '÷', '%' means '+' and '\$' means '-' then

6 % 12 © 3 @ 8 \$ 3 = ?

(A) 37

(B) 35

(C) 39

(D) 33

(E) None of these

Ans : (B)

5. In a certain code 'MOUSE' is written as 'PRUQC'. How is 'SHIFT' written in that code ?

(A) VKIRD

(B) VKIDR

(C) VJIDR

(D) VIKRD

(E) None of these

Ans : (B)

6. How many meaningful English words can be made with the letters 'OEHM' using each letter only once in each word ?

(A) None

(B) One

(C) Two

(D) Three

(E) More than three

Ans : (B)

7. Among A, B, C, D and E each scoring different marks in a test, C scored more than D but not as much as E. E scored more than A who scored less than B. Who score third highest marks ?

(A) B

(B) A

(C) C

(D) Data inadequate

(E) None of these

Ans : (D)

8. 'K' walked 5 metre towards North, took a left turn and walked for 10 metre.

He then took a right turn and walked for 20 metre, and again took right turn and walked 10 metre. How far he is from the starting point ?

(A) 20 metre

(B) 15 metre

(C) 25 metre

(D) 30 metre

(E) None of these

Ans : (C)

9. Pointing to a girl, Mr. Suraj said "she is the only daughter of my father's son-in-law". How is the girl related to Mr. Suraj ?

(A) Niece

(B) Cousin

- (C) Sister
- (D) Daughter
- (E) Cannot be determined

Ans : (A)

10. Sneha correctly remembers that her father's birthday is before 16th June but after 11th June whereas her younger brother correctly remembers that their father's birthday is after 13th June but before 18th June and her elder brother correctly remembers that their father's birthday is on an even date. On what date in June is definitely their father's birthday ?

- (A) Sixteenth
- (B) Twelfth
- (C) Fourteenth or Sixteenth
- (D) Data inadequate
- (E) None of these

Ans : (E)

11. How many such digits are there in the number '37152869' each of which is as far away from the beginning of the number as when the digits are arranged in ascending order within the number ?

- (A) None
- (B) One
- (C) Two
- (D) Three
- (E) More than three

Ans : (C)

12. How many such pairs of letters are there in the word 'CONFIRM' each of which has as many letters between them in the word as in the English alphabet ?

- (A) None
- (B) One
- (C) Two
- (D) Three
- (E) More than three

Ans : (C)

13. 'KN' is related to 'QT' in the same way as 'DG' related to

(A) JN

(B) IM

(C) JM

(D) IN

(E) IL

Ans : (C)

Directions—(Q. 14–16) Following questions are based on the five three-digit numbers given below :

518 849 365 783 291

14. If the positions of first and third digits in each number are interchanged, which of the following will be the second digit of third highest number ?

(A) 1

(B) 4

(C) 8

(D) 9

(E) 6

Ans : (E)

15. If the first digit in all the numbers starting with an even digit is replaced by a number preceding it, then which of the following will be the sum of the first digit of the resulting highest and the lowest numbers ?

(A) 4

(B) 8

(C) 7

(D) 6

(E) 13

Ans : (E)

16. If the positions of the first and the second digits in each number are interchanged, which of the following will be the second highest number ?

(A) 849

(B) 365

(C) 783

(D) 291

(E) 518

Ans : (C)

Directions—(Q. 17–22) Study the following arrangement carefully and answer the questions given below.

Q 9 K # P @ 3 E N S A C ★ G @ U M 7 F I V % 4 Z 8 Y

17. If all the numbers are dropped from the above arrangement, which of the following will be the seventeenth from the right end ?

- (A) E
- (B) P
- (C) I
- (D) C
- (E) @

Ans : (E)

18. Which of the following is the sixth to the left of the fifth to the left of 'V' ?

- (A) 3
- (B) A
- (C) N
- (D) S
- (E) None of these

Ans : (D)

19. Which of the following is the eighth to the right of the fourteenth from the left end of the above arrangement ?

- (A) V
- (B) 4
- (C) %
- (D) E
- (E) None of these

Ans : (C)

20. Four of the following five are alike in a certain way based on their positions in the above arrangement and so form a group. Which is the one that does not belong to that group ?

- (A) IM%

(B) CNG

(C) 3#N

(D) UGC

(E) GAU

Ans : (D)

21. How many such symbols are there in above arrangement, each of which is immediately preceded by an alphabet and immediately followed by a number ?

(A) None

(B) One

(C) Two

(D) Three

(E) More than three

Ans : (C)

22. How many such vowels are there in the above arrangement, each of which is immediately preceded by a number and immediately followed by a consonant ?

(A) None

(B) One

(C) Three

(D) Two

(E) None of these

Ans : (B)

Directions—(Q. 23–28) In each of the questions below are given four statements followed by three conclusions numbered I, II and III. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

23. Statements :

All coins are glasses.

Some glasses are cups.

Some cups are boxes.

All boxes are pins.

Conclusions :

I. Some coins are cups.

II. Some pins are glasses.

III. Some cups are pins.

(A) None follows

(B) Only I follows

(C) Only III follows

(D) Only II and III follow

(E) None of these

Ans : (C)

24. Statements :

Some pens are pencils.

All pencils are caps.

All caps are buses.

Some buses are trains.

Conclusions :

I. Some trains are caps.

II. Some pens are buses.

III. Some pencils are trains.

(A) Only I follows

(B) Only II follows

(C) Only I and III follow

(D) None follow

(E) All I, II and III follow

Ans : (B)

25. Statements :

All shirts are skirts.

All skirts are banks.

All banks are roads.

All roads are brushes.

Conclusions :

I. All banks are skirts.

II. All roads are banks.

III. Some brushes are shirts.

(A) Only I follows

(B) Only III follows

(C) Only I and III follow

(D) All I, II and III follow

(E) None follows

Ans : (B)

26. Statements :

Some fishes are plates.

Some plates are spoons.

Some spoons are plants.

All plants are crows.

Conclusions :

I. Some plates are crows.

II. Some crows are spoons.

III. Some plants are spoons.

(A) Only I follows

(B) Only I and II follow

(C) None follows

(D) Only II and III follow

(E) Either I or III follows

Ans : (D)

27. Statements :

Some eggs are hens.

Some hens are ducks.

All ducks are pigeons.

All pigeons are sparrows.

Conclusions :

I. All ducks are sparrows.

II. No egg is duck.

III. Some sparrows are hens.

(A) Only I follows

(B) Only I and II follow

(C) Only III follows

(D) Only I and III follow

(E) All I, II and III follow

Ans : (D)

28. Statements :

No man is tiger.

No tiger is cat.

Some cats are lions.

Some lions are tigers.

Conclusions :

I. Some tigers are cats.

II. Some cats are men.

III. Some lions are men.

(A) None follows

(B) Only III follows

(C) Only I and II follow

(D) Only I follows

(E) Only II and III follow

Ans : (A)

Directions—(Q. 29–33) In the following questions, the symbols @, ©, \$, % and * are used with the following meaning as illustrated below—

'P © Q' means P is not smaller than Q

'P * Q' means P is not greater than Q

'P @ Q' means P is neither greater than nor smaller than Q

'P \$ Q' means P is neither smaller than nor equal to Q

'P % Q' means P is neither greater than nor equal to Q

Now in each of the following questions assuming the given statements to be true, find which of the conclusions I, II, III and IV given below them is/are definitely true and give your answers accordingly.

29. Statements :

$K \text{ © } L, L \text{ \% } O, O \text{ @ } M, M \text{ * } N$

Conclusions : I. $N \text{ © } O$

II. $M \text{ \$ } L$

III. $K \text{ * } N$

IV. $L \text{ @ } N$

(A) Only II is true

(B) Only I and II are true

(C) Only I is true

(D) Either I or II is true

(E) None is true

Ans : (B)

30. Statements :

$A * B, B \$ C, C \% D, D \textcircled{C} E$

Conclusions : I. $D \$ A$

II. $B \$ D$

III. $E \% C$

IV. $A \textcircled{C} E$

(A) Only I is true

(B) Only either I or II is true

(C) Only I and IV are true

(D) None is true

(E) Only IV is true

Ans : (D)

31. Statements :

$F \$ P, P \textcircled{C} R, R \textcircled{C} S, S \% T$

Conclusions : I. $R \% F$

II. $S * P$

III. $P \textcircled{C} T$

IV. $S \% F$

(A) Only I, II and III are true

(B) Only I and II are true

(C) Only III and IV are true

(D) Only I, II and IV are true

(E) All are true

Ans : (D)

32. Statements :

$G \% H, H * I, I \$ J, J \textcircled{C} K$

Conclusions : I. $G \% I$

II. $G \% J$

III. $K \$ I$

IV. $H * J$

(A) Only I is true

(B) Only II is true

- (C) Only I, II and III are true
- (D) Only either I or II and III are true
- (E) All are true

Ans : (A)

33. Statements :

$V @ W, W \% X, X * Y, Y \$ Z$

Conclusions : I. $Z \$ X$

II. $Y © V$

III. $W \% Y$

IV. $Y @ W$

- (A) Only I and III are true
- (B) Only II is true
- (C) Only III is true
- (D) None is true
- (E) Only III and IV are true

Ans : (C)

Directions—(Q. 34–40) Study the following information carefully and answer the questions given below.

A, B, C, D, E, F, G and H are sitting around a circle facing the centre. C is fourth to the left of F who is fifth to right of E. D is third to the right of A who is not immediate neighbour of E of F. B is third to left of H who is not immediate neighbour of E.

34. Four of the following five are alike in a certain way based on their positions in the above sitting arrangement and so form a group. Which is the one that does not belong to that group ?

- (A) HFE
- (B) DCG
- (C) BHF
- (D) AEF
- (E) CGB

Ans : (D)

35. Who is between D and E ?

- (A) C
- (B) B
- (C) A
- (D) Data inadequate
- (E) None of these

Ans : (B)

36. Which of the following pairs are sitting between A and D ?

- (A) FB
- (B) GB
- (C) FG
- (D) FE
- (E) GE

Ans : (C)

37. Who is third to the right of E ?

- (A) B
- (B) F
- (C) D
- (D) G
- (E) None of these

Ans : (E)

38. Who is to the immediate right of A ?

- (A) G
- (B) B
- (C) F
- (D) Data inadequate
- (E) None of these

Ans : (A)

39. What is D's position with respect to B ?

- (a) Immediate right
 - (b) Fourth to the right
 - (c) Third to the left
 - (d) Immediate left
- (A) Only (a)

- (B) Only (b)
- (C) Only (b) and (c)
- (D) Only (d)
- (E) Only either (a) or (d)

Ans : (D)

40. In which of the following pairs is the first person sitting to the immediate left of the second person ?

- (A) CH
- (B) GA
- (C) BD
- (D) FG
- (E) None of these

Ans : (A)

1. The diagonal of a square is $4\sqrt{2}$ cm. The diagonal of another square whose area is double that of the first square is—

- (A) 8 cm
- (B) $8\sqrt{2}$ cm
- (C) $4\sqrt{2}$ cm
- (D) 16 cm

Ans : (A)

2. A train starts with the speed of 70 km/hr with its speed increasing every two hours by 10 km/hr. In how many hours will it cover 345 kms ?

- (A) $2\frac{1}{4}$ hrs
- (B) 4 hrs 5 mins
- (C) $4\frac{1}{2}$ hrs
- (D) None of the above

Ans : (C)

3. How long does a train 110 metres long running at the speed of 72 km/hr take to cross a bridge 132 metres in length ?

- (A) 9•8 sec
- (B) 12•1 sec
- (C) 12•42 sec
- (D) 14•3 sec

Ans : (B)

4. A boatman goes 2 km against the current of the stream in 1 hour and goes 1 km along the current in 10 minutes. How long will it take to go 5 km in stationary water ?

- (A) 40 mins
- (B) 1 hr
- (C) 1 hr 15 mins
- (D) 1 hr 30 mins

Ans : (C)

5. The value of

is—

- (A) 2
- (B) $\frac{3}{2}$
- (C) $\frac{4}{13}$
- (D) $3\frac{6}{13}$

Ans : (A)

6. The ratio of the incomes of A and B is 5 : 4 and the ratio of their expenditure is 3 : 2. If at the end of each year, each saves Rs. 1600, then the income of A is—

- (A) Rs. 3400
- (B) Rs. 3600
- (C) Rs. 4000
- (D) Rs. 4400

Ans : (C)

7. Half of 1 per cent is equal to—

- (A) 0.005
- (B) 0.05
- (C) 0.02
- (D) 0.2

Ans : (A)

8. If $\frac{3}{5}$ th of a cistern is filled in 1 minute, how much more time will be

required to fill the rest of it ?

- (A) 40 sec
- (B) 30 sec
- (C) 36 sec
- (D) 24 sec

Ans : (A)

9. In what ratio must water be mixed with milk costing Rs. 12 per litre to obtain a mixture worth Rs. 8 per litre ?

- (A) 1 : 2
- (B) 2 : 1
- (C) 2 : 3
- (D) 3 : 2

Ans : (A)

10. A number was divided successively in order by 4, 5 and 6. The remainders were respectively 2, 3 and 4. The number is—

- (A) 214
- (B) 476
- (C) 954
- (D) 1908

Ans : (A)

11. The difference between simple and compound interest @ 10% per annum on a sum of Rs. 1000 after 4 years is—

- (A) Rs. 31
- (B) Rs. 32•10
- (C) Rs. 40•40
- (D) Rs. 64•10

Ans : (D)

12. The maximum length of a pencil that can be kept in a rectangular box of dimensions 8 cm × 6 cm × 2 cm, is—

- (A) $2\sqrt{13}$ cm
- (B) $2\sqrt{14}$ cm
- (C) $2\sqrt{26}$ cm
- (D) $10\sqrt{2}$ cm

Ans : (C)

13. What is the smallest number by which 3600 be divided to make it a perfect cube ?

- (A) 9
- (B) 450
- (C) 50
- (D) 300

Ans : (B)

14. At what time between 9 and 10 o'clock will the hands of a watch be together ?

- (A) 45 min past 9
- (B) 50 min past 9
- (C) $49 \frac{1}{11}$ min past 9
- (D) $48 \frac{2}{11}$ min past 9

Ans : (C)

15. A two-digit number is such that the product of the digits is 8. When 18 is added to the number, then the number is reversed. The number is—

- (A) 18
- (B) 42
- (C) 81
- (D) 24

Ans : (D)

16. The edges of a cuboid are in the ratio 1 : 2 : 3 and its surface area is 88 cm². The volume of the cuboid is—

- (A) 24 cm³
- (B) 48 cm³
- (C) 64 cm³
- (D) 120 cm³

Ans : (B)

17. In a school 10% of the boys are same in number as $\frac{1}{4}$ th of the girls. What is the ratio of boys to girls in the school ?

- (A) 3 : 2

(B) 5 : 2

(C) 2 : 1

(D) 4 : 3

Ans : (B)

18. X got 30% concession on the labelled price of an article and sold it for Rs. 8750 with 25% profit on the price she bought. What was the labelled price ?

(A) Rs. 16,000

(B) Rs. 12,000

(C) Rs. 10,000

(D) None of the above

Ans : (C)

19. A vendor loses the selling price of 4 oranges on selling 36 oranges. Her loss per cent is—

(A) 10%

(B) $11\frac{1}{9}\%$

(C) $12\frac{1}{2}\%$

(D) None of the above

Ans : (A)

20. In a camp, 95 men had provisions for 200 days. After 5 days, 30 men left the camp. For how many days will the remaining food last now ?

(A) 180

(B) 285

(C) $139\frac{16}{19}$

(D) $28\cdot5$

Ans : (B)

21. A dog takes 4 leaps for every 5 leaps of a hare but 3 leaps of a dog are equal to 4 leaps of the hare. Compare their speeds in terms of ratio of their speed.

(A) Dog's speed : hare's speed = 15 : 16

(B) Dog's speed : hare's speed = 16 : 15

(C) Dog's speed : hare's speed = 3 : 5

(D) Dog's speed : hare's speed = 5 : 3

Ans : (B)

22. The ratio of the speeds of two trains is 7 : 8. If the second train runs 400 kms in 4 hours, then the speed of the first train is—

- (A) 70 km/hr
- (B) 75 km/hr
- (C) 84 km/hr
- (D) 87.5 km/hr

Ans : (D)

23. In 10 years, A will be twice as old as B was 10 years ago. If A is now 9 years older than B, the present age of B is—

- (A) 29 years
- (B) 19 years
- (C) 49 years
- (D) 39 years

Ans : (D)

24. Three taps A, B and C can fill a tank in 12, 15 and 20 hours respectively.

If A is open all the time and B and C are open for one hour each alternately, the tank will be full in—

- (A) 6 hours
- (B) $6\frac{2}{3}$ hours
- (C) 7 hours
- (D) $7\frac{1}{2}$ hours

Ans : (C)

25. The present ages of three persons are in proportions 4 : 7 : 9. Eight years ago, the sum of their ages was 56. Find their present ages (in years)—

- (A) 20, 35, 45
- (B) 8, 20, 28
- (C) 16, 28, 36
- (D) 20, 36, 46

Ans : (C)

