Directions (Q. Nos. 1-25) *Study the passages given below to answer the questions that follow each passage.*

PASSAGE I

Opera refers to a dramatic art form, originating in Europe, in which the emotional content is conveyed to the audience as much through music-both vocal and instrumental; as it is through the lyrics. By contrast, in musical theatre an actor's dramatic performance is primary, and the music plays a lesser role. The drama in opera is presented using the primary elements of theatre such as scenery, costumes and acting. However, the words of the opera or libretto are sung rather than spoken. The singers are accompanied by a musical ensemble ranging from a small instrumental ensemble to a full symphonic orchestra.

1. It is pointed out in the passage that Opera
   (a) has developed under the influence of musical theatre.
   (b) is a drama sung with the accompaniment of an orchestra.
   (c) is often performed in Europe.
   (d) is the most complex of all the performing arts.

2. We can understand from the passage that
   (a) drama in opera is more important than the music.
   (b) people are captivated more by opera than musical theatre.
   (c) orchestras in operas can vary considerably in size.
   (d) musical theatre relies above all on music.

3. It is stated in the passage that
   (a) an opera requires an orchestra.
   (b) many people find musical theatre more captivating than opera.
   (c) music in musical theatre is not as important as it is in opera.
   (d) opera doesn't have any properties in common with musical theatre.

4. A good opera performance requires
   (a) dramatic skills
   (b) singing skills
   (c) musical instrumental skills
   (d) All of the above

PASSAGE II

Dolphins are regarded as the friendliest creatures in the sea and stories of them helping drowning sailors have been common since Roman times. The more we learn about dolphins, the more we realise that their society is more complex than people previously imagined. They look after other dolphins when they are ill, care for pregnant mothers and protect the weakest in the community, as we do. Some scientists have suggested that dolphins have a language but it is much more probable that they communicate with each other without needing words. Could any of these mammals be more intelligent than man? Certainly the most common argument in favour of man's superiority over them, that we can kill them

more easily than they can kill us, is the least satisfactory. On the contrary, the more we discover about these remarkable creatures, the less we appear superior when we destroy them.

5. It is clear from the passage that dolphins
   (a) are proven to be less intelligent than once thought.
   (b) have a reputation for being friendly to humans.
   (c) are the most powerful creatures that live in the oceans.
   (d) are capable of learning a language and communicating with humans.

6. The fact that the writer of the passage thinks that we can kill dolphins more easily than they can kill us
   (a) means that they are less adapted to their environment than humans are to theirs.
   (b) proves that dolphins are not the most intelligent species at sea.
   (c) does not mean that we are superior to them.
   (d) proves that the linguistic skills of dolphins are not comprehensible to humans.

7. One can infer from the passage that
   (a) dolphins are quite abundant in some areas of the world.
   (b) communication is the most fascinating aspect of the dolphins.
   (c) the ability to think is unique to dolphins among all mammals.
   (d) dolphins have some social traits that are similar to those of humans.

8. If a dolphin gets sick, the other dolphins
   (a) take care of the sick one
   (b) move on to keep away
   (c) simply keep looking at the sick member
   (d) None of the above

PASSAGE III

Naval architects never claim that a ship is unsinkable, but the sinking of the passenger-and-car ferry Estonia in the Baltic surely should never have happened. It was well designed and carefully maintained. It carried the proper number of lifeboats. It had been thoroughly inspected on the day of its fatal voyage. Yet hours later, the Estonia rolled over and sank on a cold, stormy night. It went down so quickly that most of those on board, caught in their dark, flooding cabins, had no chance to save themselves. Of those who managed to scramble overboard, only 139 survived. The rest died of hypothermia before the rescuers could pluck them from the cold sea. The

final death toll was 912 souls. However, there were an unpleasant number of questions about why the Estonia sank and why so many survivors were men in the prime of their lives, while most of the dead were women, children and the elderly.

9. One can understand from the passage that
   (a) most victims were trapped inside the ship as they were in their cabins.
   (b) the lifesaving equipment did not work well and lifeboats could not be lowered.
   (c) design faults and incompetent crew contributed to the sinking of the Estonia ferry.
   (d) naval architects claimed that the Estonia was unsinkable.

10. It is clear from the passage that the survivors of the accident
    (a) were immune to hypothermia.
    (b) were mostly young men.
    (c) told the investigators nothing about the accident
    (d) All of the above

11. According to the passage, when the Estonia sank,
    (a) there were only 139 passengers on board.
    (b) few of the passengers were asleep.
    (c) there were enough lifeboats for the number of people on board.
    (d) faster reaction by the crew could have increased the Estonia's chances of survival.

12. Estonia appears to be a
    (a) naval ship   (b) naval submarine
    (c) cargo ship   (d) passenger ferry

PASSAGE IV

Erosion of America's farmland by wind and water has been a problem since settlers first put the prairies and grasslands under the plough in the nineteenth century. By the 1930s, more than 282 million acres of farmlands were damaged by erosion. After 40 years of conservation efforts, now soil erosion has again accelerated due to new demands placed on the land by heavy crop production. In the years ahead, soil erosion and the pollution problems it causes are likely to replace petroleum scarcity as the nation's most critical natural resource problem.

13. As we understand from the passage, today, soil erosion in America
    (a) causes humans to place new demands on the land.
    (b) happened so slowly that it took forty years to get noticed.
    (c) is the most critical problem that the nation faces.
    (d) is worse than it was in the nineteenth century.

14. The author points out in the passage that soil erosion in America
  (a) has damaged 282 million acres ever since settlers first put the prairies and grasslands under the plough.
  (b) could become a more serious problem in the future.
  (c) has been so severe that it has forced people to abandon their settlements.
  (d) was on the decline before 1930s.

15. It is pointed out in the passage that in America
  (a) petroleum is causing heavy soil erosion and pollution problems.
  (b) soil erosion has been hastened due to the overuse of farming lands.
  (c) heavy crop production is necessary to meet the demands and to prevent a disaster.
  (d) water is undoubtedly the largest cause of erosion.

16. From the passage, it appears that the profession of early settlers in America was
  (a) mining.
  (b) conservation work.
  (c) agriculture.
  (d) All of the above

PASSAGE V

The Gandharva Music and Art Fair-better known to its participants and to history simply as "Gandharva"— should have been a colossal failure. Just a month prior to its August 15th, 1969 opening, the fair's organisers were informed by the Council of Gandharva Music and Art, Allahabad that permission to hold the festival was withdrawn. Amazingly, not only was a new site found, but word spread to the public of the fair's new location. At the new site, fences that were supposed to facilitate ticket collection never materialised and all attempts at gathering tickets were abandoned. Crowd estimates of 30,000 kept rising; by the end of the three days, some estimated the crowd at 500,000. Then, on the opening night, it began to rain. Off and on, throughout all three days, huge summer storms rolled over the gathering. In spite of these problems, most people think of Gandharva not only as a fond memory but also as the defining moment for an entire generation.

17. Which of the following would be closest in meaning to the word 'colossal' as used in this passage?
  (a) Definite   (b) Surprising
  (c) Massive   (d) Disastrous

18. Which of the following is implied in the passage, about The Gandharva Music and Art Fair held in August 1969?
  (a) It was a colossal failure.
  (b) It was the defining moment for an entire generation.
  (c) Ticket sales never materialised as per expectations.
  (d) All of the above

19. In what context is the word 'amazingly' used in the passage?
  (a) The fair drew such an unexpectedly enormous crowd.
  (b) The event was moved and word sent out in a very short time.
  (c) Despite pressure by Allahabad officials, the fair was held successfully.
  (d) The stormy weather was so unfavourable.

20. As per the passage, most people think of Gandharva as a fond memory because the
  (a) event was held for the first time in August, 1969.
  (b) crowds that thronged the venue were larger than anticipated.
  (c) performers at the fair were popular amongst the youth.
  (d) None of the above

PASSAGE VI

Everybody earns the living in their own way to support themselves as well as the family. If you are employed and bored with what you do, take a look at the weirdest jobs below to know that your are luckier than many people. Those who are not well educated or have strange hobbies take up to following jobs to make ends meet:

(a) **Fire-Observer** Sounds interesting! This job requires the candidate to sit and watch for any upcoming fires in forests. You sit on a tower and warn the authorities about any impending dangers. It's quite a lonely job. So, if there are any loners out there who seek complete loneliness they can try their hands at this weird job.

(b) **Ice-Cream Taster** A sweet job! But it takes more than just tasting the ice-creams to get your pay in this job. There can be no compromise about the quality of the ice-creams, so one has to keep all the taste-buds on his tongue alive and active. This requires you to follow a strict diet, not eating anything too spicy or hot. You cannot smoke, drink or even use strong perfumes!

(c) **Sports Mascot** Getting dressed in an often silly-looking costume, entertaining thousands of screaming fans and shadow-punching umpires are all in a day's work for the Sports Mascot.

The term, mascot, or in this case, the sports mascot is used to describe a person, animal or object that is thought to bring luck. Sporting entities are usually the home for these "luck" bringers, but mascots can also be found in other areas of society, such as military units and charity organisations.

The next time you sit at your desk considering a job change, sneak a peek at this list of weird jobs that give a complete twist to your career.

21. A word close in meaning to 'weird' is ....
(a) bored
(b) luckier
(c) strange
(d) well educated

22. A fire observer
(a) works alone
(b) works with lots of people
(c) has to hate loneliness
(d) is a lonely person

23. A mascot is a/an .... symbol.
(a) bad luck
(b) good luck
(c) melancholic
(d) elegant

24. An ice-cream taster
(a) eats whatever he wants.
(b) drinks alcohol.
(c) has a strict diet.
(d) is a heavy smoker.

25. Getting dressed in an often silly-looking costume probably means to
(a) dress elegantly
(b) dress casually
(c) be naked
(d) dress ridiculously

Directions (Q. Nos. 26 and 27) *Choose the option that is the plural form of the given word.*

26. Bunch
(a) Bunches
(b) Bunch
(c) Bunchs
(d) Bunchies

27. Shelf
(a) Shelf
(b) Shelves
(c) Shelfes
(d) Shelfies

Directions (Q. Nos. 28-30) *Fill in the blanks.*

28. He .... from fever since last night.
(a) has been suffering
(b) has suffered
(c) is suffering
(d) was suffering

29. I shall get a job before the week ....
(a) will end
(b) ends
(c) had ended
(d) is ending

30. The servant had finished his work when I .... him.
(a) had called
(b) has called
(c) have called
(d) called

Directions (Q. Nos. 31-34) *Choose the word which is similar in meaning to the given word.*

31. Contrary
(a) Adverse
(b) Kind
(c) Harmonious
(d) Consistent

32. Desolate
(a) Bright
(b) Lonely
(c) Inhabited
(d) Intact

33. Despise
(a) Adore
(b) Cherish
(c) Hate
(d) Praise

34. Eccentric
(a) Regular
(b) Ordinary
(c) Standard
(d) Erratic

Directions (Q. Nos. 35-38) *Choose the word which is opposite in meaning to the given word.*

35. Abate
(a) Advance
(b) Recede
(c) Diminish
(d) Slacken

36. Bizarre
(a) Peculiar
(b) Common
(c) Weird
(d) Curious

37. Zest
(a) Passion
(b) Relish
(c) Gusto
(d) Dullness

38. Dainty
(a) Exquisite
(b) Lacy
(c) Crude
(d) Petite

Directions (Q. Nos. 39-41) *In each of these questions, out of the given group of words, choose the correctly spelt word.*

39. (a) Acknowledgement
(b) Acknowledgemant
(c) Acknawledgement
(d) Acknowladgemnt

40. (a) Publesher
(b) Publisher
(c) Publishar
(d) Pablishar

41. (a) Anouncement
(b) Announcement
(c) Annoncement
(d) Announcment

Directions (Q. Nos. 42-44) *Choose the option which best expresses the meaning of the given idiom/phrase.*

42. Pay through one's nose
(a) To pay heavily
(b) To criticise someone
(c) To get ahead secretly
(d) To be under suspicion

43. To turn over a new leaf
(a) To want something that is not possible
(b) To change for the better
(c) To do all possible efforts
(d) To put an end to something before it develops

44. To see the light of the day
(a) To be in control of the situation
(b) To gain an advantage on
(c) To be made available
(d) To change for a better

45. (a) Post COVID-19,
(b) the Government of India
(c) made the test and treatment
(d) free under the Ayushman Bharat Scheme.

46. (a) I am so glad that
(b) my husband spoke in on my behalf
(c) because I felt awful
(d) that I couldn't make it to the event.

47. (a) We thought our company
(b) was going to expand this year
(c) but the company actually has
(d) less people now than it did two years ago.

48. One who is able to use the right and left hands equally well.
(a) Disingenuous (b) Multi-tasker
(c) Ambidextrous (d) Equipoised

49. The study of the origin of humankind.
(a) Anthropogeny (b) Archaeology
(c) Anthropology (d) Psephology

50. A person who is lacking in or hostile or indifferent to cultural values.
(a) Imposter (b) Cannibal
(c) Iconoclast (d) Philistine

51. What is the unit digit in the expansion of $(89628)^{402}$?
(a) 8 (b) 6
(c) 4 (d) 2

52. Find the sum of all possible values of x if $25849 x 4$ is divisible by 4.
(a) 8 (b) 20
(c) 12 (d) 24

53. What is the remainder if 2^{93} is divided by 9?
(a) 2 (b) 6
(c) 7 (d) 8

54. If $\dfrac{3a}{1+\dfrac{1}{1+\dfrac{a}{1-a}}} = 2$, then find the value of a.

(a) $\dfrac{4}{5}$ (b) $\dfrac{2}{3}$ (c) $\dfrac{8}{5}$ (d) $\dfrac{3}{5}$

55. The number of unskilled workers in a factory is six times the number of skilled workers. Which of the following cannot be the total number of workers in the factory?
(a) 35 (b) 40 (c) 70 (d) 84

56. Average of eleven observations is 30. Average of first five observations is 25 and last five is 28. Find the 6th term.
(a) 65 (b) 60 (c) 75 (d) 78

57. Virat obtained 18% marks in an examination and he failed by 60 marks. If passing marks are 33%, then total marks are ....
(a) 350 (b) 400 (c) 450 (d) 500

58. The simple interest on ₹ 200 for 7 months at 5 paisa per rupee per month is ....
(a) ₹ 70 (b) ₹ 7
(c) ₹ 35 (d) ₹ 30.50

59. The difference between compound interest and simple interest on a sum of ₹ 50000 for 2 yr at 6.5% p.a. is ....
(a) ₹ 201.125 (b) ₹ 210.25
(c) ₹ 211.25 (d) ₹ 225.125

60. Rahul travels first 50 km at 10 km/h, next 40 km at 20 km/h and then next 60 km at 15 km/h. Find his average speed for the whole journey.
(a) 15 km/h (b) $16\dfrac{2}{3}$ km/h
(c) $11\dfrac{5}{9}$ km/h (d) $13\dfrac{7}{11}$ km/h

61. The ratio of average temperature between Jaipur and Delhi is 9 : 7 and that between Jaipur and Mumbai is 11 : 8. Find the ratio of average temperature between Delhi and Mumbai.
(a) 7 : 9 (b) 77 : 72
(c) 9 : 8 (d) 11 : 8

62. The ratio of three numbers is 3 : 4 : 7 and their product is 18144. The numbers are ....
(a) 9, 12 and 21 (b) 15, 20 and 25
(c) 18, 24 and 42 (d) None of these

63. What is the single discount that is equivalent to two successive discounts of 12% and 20%?
(a) $29\dfrac{2}{5}$% (b) $70\dfrac{2}{5}$% (c) $70\dfrac{3}{5}$% (d) $29\dfrac{3}{5}$%

64. A shopkeeper buys a mobile phone for ₹ 12500 and sells it for ₹ 13350. Find his profit percent.
(a) 6% (b) 6.3%
(c) 6.5% (d) 6.8%

65. How many minutes will a motor car travelling at 45 km/h take to cover a distance of 15 km?
(a) 15 min   (b) 20 min
(c) 10 min   (d) 30 min

66. If the speed of a 100 m long train is 144 km/h, then in how much time will this train cross a standing pole?
(a) 2 sec   (b) 1.5 sec
(c) 2.5 sec   (d) 3.5 sec

67. How many zeroes are there in the LCM of 150, 70 and 2500?
(a) 1   (b) 2   (c) 3   (d) 4

68. The HCF of 80, 120 and 200 = 10 + '?'.
(a) 10   (b) 40   (c) 30   (d) 20

69. Find the greatest number of four digits, which is exactly divisible by 18, 24 and 45.
(a) 9580   (b) 9640
(c) 9720   (d) 9860

70. Satish can do a job in 15 days and Kapil works twice as fast as Satish. Then, in how many days can Satish and Kapil together complete the job?
(a) 4.5 days   (b) 5 days
(c) 5.5 days   (d) 6 days

Directions (Q. Nos. 71 and 72) *Find what will come at the place of question mark '?' in the following questions which will complete the series.*

71. 2, 7, 17, 32, 52, ?
(a) 77   (b) 64   (c) 72   (d) 81

72. AZ, GT, MN, '?', YB
(a) KF   (b) RX   (c) SH   (d) TS

Directions (Q. Nos. 73 and 74) *In the given questions, which number/number-alphabet combination is different from the others.*

73. (a) Seven   (b) Two   (c) Three   (d) Five

74. (a) a   (b) d   (c) p   (d) u

75. In a certain code language, BEGK is written as ADFJ. How will PSVY will be written in that code language?
(a) LOQT   (b) ROUX   (c) OTUZ   (d) ORUX

76. Pointing towards a man in the photograph Ami said, "He is the only son of the father of the brother of my sister". How is that person related to Ami?
(a) Mother   (b) Father
(c) Uncle   (d) None of these

77. What is the minimum number of colours required to colour the faces of a cube so that no adjacent faces have the same colour?
(a) 2   (b) 3
(c) 5   (d) 6

78. A, B, C, D and E are five cities. There is a way which join two cities. How many total number of ways are there?
(a) 12   (b) 10
(c) 5   (d) 2

79. Vishal walks 8 km towards East. He turns left and walks 5 km. Then he rotates 270° anti-clockwise. Now in which direction is he facing?
(a) West   (b) East
(c) North   (d) South

Directions (Q. Nos. 80-82) *Study the information carefully to answer the following questions.*

Out of four persons Arun, Bharat, Chandu and Dharma, two are interested in hockey, two are painters, one is a singer and one is a dancer. Each man has one outdoor interest (either cricket or hockey) and one hobby concerned with fine arts (either painting or dancing or singing).

(i) Arun is neither a painter nor he plays hockey.

(ii) Bharat does not dance.

(iii) The person who is a dancer plays hockey.

(iv) Bharat and Dharma do not play cricket.

80. Who among the following plays cricket and is interested in painting?
(a) Arun   (b) Bharat
(c) Chandu   (d) Arun and Chandu

81. Who among the following is a singer?
(a) Dharma   (b) Arun
(c) Chandu   (d) Bharat

82. Which pair shows the correct relationship of the game and hobby of Dharma?
(a) Cricket and Singing
(b) Cricket and Painting
(c) Hockey and Singing
(d) Hockey and Dancing

Directions (Q. Nos. 83-85) *For the Assertion (A) and Reason (R) below, choose the correct alternative from the following mark answer as*

(a) If both (A) and (R) are true and (R) is the correct explanation of (A).
(b) If both (A) and (R) are true and (R) is not the correct explanation of (A).
(c) If (A) is true but (R) is false.
(d) If (A) is false but (R) is true.

83. **Assertion (A)** Indian Constitution is the largest written Constitution in the world.
Reason (R) India follows bi-cameral system of Legislative House.

84. **Assertion (A)** Carrying fountain pen while flying in an aeroplane may be a risky proposition.
Reason (R) Due to low pressure, the ink of a fountain pen may leak or overflow.

85. **Assertion (A)** The states in Eastern part of India produce more rice than those in Western part.
Reason (R) The states in eastern part receive more rainfall than those in western part of India.

86. Which state will host the 4th edition of Khelo India Youth Games (KIYG) in the year 2021?
(a) Uttarakhand
(b) Haryana
(c) Assam
(d) None of these

87. Who has/have won the 2020 Nobel Prize in Physiology or Medicine for discovering the Hepatitis C Virus?
(a) Michael Houghton
(b) Harvey J Alter
(c) Charles M Rice
(d) All of these

88. Joe Biden of Democratic Party won the 2020 United States (US) Presidential election to become .... President of the United States.
(a) 44th
(b) 45th
(c) 46th
(d) 47th

89. Which Bollywood actress is recently seen in advertisements of the Kalyan Jewellers 'Muhurat' Wedding Jewellery along with Amitabh Bachchan?
(a) Katrina Kaif
(b) Karishma Kapoor
(c) Sonam Kapoor
(d) Disha Patani

90. 'Urban Ladder' is a well-known online company dealing with ....
(a) Fashion garments and accessories
(b) Furniture-Home Decor
(c) Fashion jewellery and accessories
(d) None of the above

91. Which former Indian cricketer has paired with Arvind Fashion to bring out the label 'True Blue', a range of summer suits, t-shirts, chinos etc.?
(a) MS Dhoni
(b) Virender Sehwag
(c) Rahul Dravid
(d) Sachin Tendulkar

92. Who among the following was popularly known as 'Tiger of Mysore'?
(a) Haider Ali
(b) Tipu Sultan
(c) Krishnadevaraya
(d) Achyuta Deva Raya

93. Who was the first Indian to win the Nobel Prize?
(a) Rabindranath Tagore
(b) C V Raman
(c) Amartya Sen
(d) Mahatma Gandhi

94. India celebrates birthday of .... on 12th January every year as the "National Youth Day".
(a) Swami Vivekananda
(b) Chandra Shekhar Azad
(c) Subhash Chandra Bose
(d) Bhagat Singh

95. The famous monument 'Leaning Tower of Pisa' is located at ....
(a) France
(b) USA
(c) Japan
(d) Italy

96. Which of the following is not a function of the RBI?
(a) Issue of currency
(b) Conducting monetary policy
(c) Accepting deposits from the public
(d) Lender of last resort for the banks

97. Durand Cup is associated with which national sports/games?
(a) Football
(b) Badminton
(c) Cricket
(d) Golf

98. Which of the following is not a common property of plastics?
(a) Non-reactive
(b) Light in weight
(c) Durable
(d) Good conductor of electricity

99. Based on their origin, resources can be abiotic and biotic, and biotic resources are ....
(a) derived from non-living things
(b) made by human beings
(c) derived from living things
(d) None of the above

100. Parliament of India consists of ....
(a) Rajya Sabha, Lok Sabha and State Assemblies
(b) President, Prime Minister and Speaker
(c) President, Rajya Sabha and Lok Sabha
(d) Prime Minister, Cabinet Ministers and Opposition

1. **(b)** In the passage, it is stated that opera is a dramatic art form that uses music to convey the emotional content to the audience. Hence, option (b) is the correct answer.

2. **(c)** The last line of the passage states that the music ensemble of the opera can include a small instrumental ensemble or a full symphonic orchestra. This means that in opera, the size of the orchestra can vary. Hence, option (c) is the correct answer.

3. **(a)** As an opera uses music to convey the emotional content to the audience, it requires an orchestra.

4. **(d)** As opera is a dramatic art form that uses music, it requires dramatic skills, singing skills as well as musical instrumental skills.

5. **(b)** The first line from the paragraph states that dolphins are the friendliest creatures in the sea that have helped humans from drowning. Hence, option (b) is the correct answer.

6. **(c)** The writer asserts that the argument that humans can kill dolphins easily and thus, are superior to them is unsatisfactory. Hence, option (c) is the most suitable answer.

7. **(d)** In the given passage, it is stated that dolphins behave like humans. They have a language and also care for other dolphins. Hence, option (d) is correct.

8. **(a)** It is stated in the passage that when a dolphin is ill, other dolphins take care of it.

9. **(a)** It is stated in the passage that the ship Estonia sank so quickly that most of the people could not be saved. These people were in their cabins while the ship sank and did not get time to save their lives.

10. **(b)** According to the passage, out of the 139 survivors, most were men in their prime of their lives. This means that these men were young.

11. **(c)** According to the given passage, the Estonia was well designed and carefully maintained. It was thoroughly inspected on the day of its fatal voyage and had the proper number of lifeboats to save everyone on board.

12. **(d)** The passage mentions that the Estonia was a passenger and car ferry.

13. **(d)** According to the passage, the problem of soil erosion and pollution began since the nineteenth century and has worsened overtime. Hence, option (d) is the correct answer.

14. **(b)** The last line of the passage suggests that soil erosion will soon replace petroleum scarcity and became the nation's most critical natural resource problem.

15. **(b)** As per the passage, the problem of soil erosion in the American farmland has accelerated due to the heavy crop production. Hence, option (b) is the correct answer.

16. **(c)** From the fact that soil erosion had been a problem in American farmland since the 19th century, it can be inferred that agriculture was the profession of the early settlers in America.

17. **(c)** The word 'colossal' means 'extremely large or great'. From the given options, option (c) 'massive' means the same and hence, is the correct answer.

18. **(b)** From the information given in the passage, we can say that the Gandharva Music and Art Fair held in 1969 was a defining moment for an entire generation.

19. **(b)** The word 'amazingly' has been used in the passage to indicate that with just 1 month in hand, not only was a new location for the festival found but also word spread about the new location to the people. Hence, option (b) is the correct answer.

20. **(d)** Gandharva will be remembered as a fond memory as it had been a huge success even after going through so many obstacles. From the given options, none mentions this. So, 'None of the above' is the correct answer.

21. **(c)** The word 'weird' means very strange and unusual, and difficult to understand or to explain. So, 'strange' is close in meaning to it.

22. **(a)** A fire observer works alone. He sits on a tower and warns the authorities about any impending dangers.

23. *(b)* As a mascot is considered a bringer of luck, it is a good luck symbol.

24. *(c)* As mentioned in the passage, an ice-cream taster has to follow a strict diet, not eating anything too spicy or hot.

25. *(d)* Getting dressed in an often silly-looking costume probably means to dress ridiculously. 'Ridiculously' means in a way that is stupid or unreasonable and deserves to be laughed at.

28. *(a)* As the given sentence talks of an action that was going on at some point in the past and is still going on, present perfect continuous tense should be used. Hence, option (a) is the correct answer.

29. *(b)* As the given sentence talks of a present action, present tense will be used to fill in the blank. Hence, option (b) is correct.

30. *(d)* When two tasks have been completed in the past, the task that occurs first should be in past perfect tense and the task that occurs second should be in simple past tense. Hence, option (d) is correct.

31. *(a)* The word 'contrary' means 'perversely inclined to disagree or to do the opposite of what is expected or desired.' From the given options, only 'adverse' meaning 'preventing success or development; harmful; unfavourable' is closest in meaning to the given word.

32. *(b)* The word 'desolate' means 'feeling or showing great unhappiness or loneliness.' Hence, option (b) is the correct answer.

33. *(c)* The word 'despise' means 'feel contempt or a deep repugnance for someone.' From the given options, only 'hate' means the same and thus, is the correct answer.

34. *(d)* The word 'eccentric' means 'unconventional and slightly strange.' From the given options, 'erratic' meaning 'unpredictable' is nearest in meaning to it.

35. *(a)* The word 'abate' means 'to reduce or remove'. From the given options, the word 'advance' meaning 'to grow' is its correct opposite.

36. *(b)* The word 'bizarre' means 'unusual'. From the given options, the word 'common' is its correct opposite.

37. *(d)* The word 'zest' means 'eager interest and enjoyment'. From the given options, 'dullness' is its correct opposite.

38. *(c)* The word 'dainty' means 'delicately small and pretty'. From the given options, 'crude' meaning 'not yet processed or refined' is its correct opposite.

42. *(a)* The idiom 'pay through one's nose' means to pay too much money for something. Hence, option (a) is the correct answer.

43. *(b)* 'To turn over a new leaf' means to make a fresh start or to change oneself for the better.

44. *(c)* The idiom 'to see the light of the day' means 'to begin, to exist or to become publicly known or available'. Hence, option (c) is the correct answer.

45. *(c)* For the given part of the sentence to be correct, replace 'test' with 'tests'.

46. *(b)* For the given part of the sentence to be correct, remove preposition 'in'.

47. *(d)* For the given part of the sentence to be correct, replace 'did' with 'had'.

51. *(c)* According to the concept of expansion,
$$(89628)^{402} \Rightarrow (89628)^{400+2}$$
$$\Rightarrow (89628)^{400} \cdot (89628)^2$$
$$\Rightarrow ((89628)^4)^{100} (89628)^2$$
8^4 ends with 6
6^{100} ends with 6
8^2 ends with 4
$6 \times 4 = 24$
Hence, unit digit in $(89628)^{402}$ is 4.

52. *(b)* We know that, if a number is divisible by 4, then its last two digits must be divisible by 4.

In the number $25849\,x\,4$,

If it has to be divisible by 4, then its last two digits $x\,4$ must be divisible by 4.

$\therefore$ The values of x can be 0, 2, 4, 6, 8,

Hence, the required sum $= 0 + 2 + 4 + 6 + 8 = 20$

53. *(d)* In 2^{93}, if 93 is divided by 9, then we will get remainder 3.

Now, $2^{93} = 2^{90} \times 2^3$

Now there is 2^3, then the remainder will be 8.

54. *(a)* $\dfrac{3a}{1 + \dfrac{1}{1 + \dfrac{a}{1-a}}} = 2$

$\Rightarrow \dfrac{3a}{1 + \dfrac{1}{\left(\dfrac{1-a+a}{1-a}\right)}} = 2$

$\Rightarrow \dfrac{3a}{1 + 1 - a} = 2 \Rightarrow \dfrac{3a}{2-a} = 2$

$\Rightarrow 3a = 4 - 2a$

$\Rightarrow 5a = 4$

$\Rightarrow a = \dfrac{4}{5}$

55. *(b)* Let the number of skilled workers be x. Then, the number of unskilled workers $= 6x$

Total workers $= x + 6x = 7x$

Since out of the given options, only 40 is not divisible by 7.

Hence, total number of workers cannot be 40.

56. *(a)* According to the question,

6th term = sum of 11 terms − (sum of first five terms + sum of last five terms)

6th term $= 30 \times 11 - (25 \times 5 + 28 \times 5)$
$= 330 - (125 + 140)$
$= 330 - 265 = 65$

57. *(b)* Let the total marks be x. Then according to the question,

$$\frac{18}{100}x + 60 = \frac{33}{100}x$$

$$\Rightarrow \quad \frac{15}{100}x = 60$$

$$x = \frac{60 \times 100}{15}$$

$$x = 400$$

58. *(a)* Principal $(P) = ₹\,200$

Time $(T) = 7$ months

Rate of interest $(r) = 5$ paisa per rupee per month

Simple interest $= \dfrac{P \times r \times T}{100} = \dfrac{200 \times 7 \times 5}{100} = ₹\,70$

59. *(c)* Principal $(P) = ₹\,50000$

Time $(T) = 2$ yr

Rate of interest $(r) = 6.5\%$ p.a.

Simple interest $= \dfrac{P \times r \times T}{100} = \dfrac{50000 \times 2 \times 6.5}{100}$

$$= ₹\,6500$$

Compound interest $= P\left[\left(1 + \dfrac{r}{100}\right)^{T} - 1\right]$

$$= 50000\left[\left(1 + \dfrac{6.5}{100}\right)^{2} - 1\right]$$

$$= 50000\left[\dfrac{5369}{40000}\right]$$

$$= ₹\,\dfrac{26845}{4} = ₹\,6711.25$$

Required difference $= ₹\,(6711.25 - 6500) = ₹\,211.25$

60. *(d)* Average speed $= \dfrac{\text{Total distance}}{\text{Total time}} = \left(\dfrac{50 + 40 + 60}{\dfrac{50}{10} + \dfrac{40}{20} + \dfrac{60}{15}}\right)$

$$= \dfrac{150}{5 + 2 + 4} = \dfrac{150}{11}$$

$$= 13\dfrac{7}{11} \text{ km/h}$$

61. *(b)* Let Jaipur $= J$, Delhi $= D$, Mumbai $= M$

Given ratio of temperature is

$$
\begin{array}{cc}
D:J & J:M \\
7:9 & 11:8
\end{array}
$$

$$D:J:M \Rightarrow 7 \times 11 : 9 \times 11 : 8 \times 9 \Rightarrow 77 : 99 : 72$$

$$D:M \Rightarrow 77 : 72$$

$\therefore$ Ratio of temperature between Delhi and Mumbai is $77 : 72$.

62. *(c)* Let the three numbers be $3x$, $4x$ and $7x$ respectively.

Now, according to the question,

Product $= 18144$

$$\Rightarrow \quad 3x \times 4x \times 7x = 18144$$

$$\Rightarrow \quad 84x^3 = 18144 \Rightarrow x^3 = \frac{18144}{84}$$

$$x^3 = 216$$

$$x = 6$$

Hence, the required numbers are

$$3x = 3 \times 6 = 18, \quad 4x = 4 \times 6 = 24, \quad 7x = 7 \times 6 = 42$$

63. *(d)* $x_1 = 12\%$, $x_2 = 20\%$

Equivalent discount

$$= \left(x_1 + x_2 + \frac{x_1 \times x_2}{100}\right)\%$$

$$= \left(-12 - 20 + \frac{20 \times 12}{100}\right)\%$$

$$= -32 + \frac{12}{5} = \frac{148}{5} = 29\frac{3}{5}\%$$

64. *(d)* Cost price $(CP) = ₹\,12500$

Selling price $(SP) = ₹\,13350$

Profit $= SP - CP = ₹(13350 - 12500) = ₹\,850$

Profit $\% = \dfrac{\text{Profit}}{CP} \times 100 = \dfrac{850}{12500} \times 100 = 6.8\%$

65. *(b)* Time $= \dfrac{\text{Distance}}{\text{Speed}} = \dfrac{15}{45} = \dfrac{1}{3}$ h $= \dfrac{1}{3} \times 60 = 20$ min

66. *(c)* Length of train $(d) = 100$ m $= 0.1$ km

Speed $(s) = 144$ km/h

Time taken to cross the pole $= \dfrac{d}{s} = \dfrac{0.1}{144}$ h

$$= \dfrac{0.1}{144} \times 3600 \text{ sec} = 2.5 \text{ sec}$$

67. *(b)* LCM of (150, 70, 2500)

$$
\begin{array}{r|l}
2 & 150,\ 70,\ 2500 \\ \hline
5 & 75,\ 35,\ 1250 \\ \hline
5 & 15,\ 7,\ 250 \\ \hline
5 & 3,\ 7,\ 50 \\ \hline
5 & 3,\ 7,\ 10 \\ \hline
 & 3,\ 7,\ 2
\end{array}
$$

$$= 2 \times 5 \times 5 \times 5 \times 5 \times 3 \times 7 \times 2 = 52500$$

$\therefore$ There are two zeroes in the LCM of 150, 70, 2500.

68. *(c)* HCF of 80, 120 and $200 = 10 + ?$

We know that, HCF of $(80, 120, 200) = 40$

$$
\begin{array}{r}
120\overline{)200}(1 \\
\underline{120} \\
80\overline{)120}(1 \\
\underline{80} \\
40\overline{)80}(2 \\
\underline{80} \\
\times
\end{array}
$$

$$
\begin{array}{r}
40\overline{)80}(2 \\
\underline{80} \\
\times
\end{array}
$$

$\therefore \qquad 40 = 10 + ?$

$$? = 30$$

69. (c) LCM of (18, 24, 45)

3	18, 24, 45
3	6, 8, 15
2	2, 8, 5
2	1, 4, 5
	1, 2, 5

$$= 3 \times 3 \times 2 \times 2 \times 2 \times 5 = 360$$

We know that, greatest number of 4 digits = 9999
On dividing 9999 by 360 the remainder comes out to be 279.
Hence, the required number = 9999 − 279 = 9720
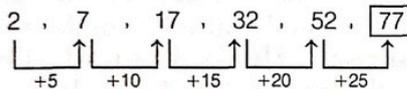
70. (b) Satish can complete a work in 15 days.

Then, Kapil can complete the work in $\dfrac{15}{2}$ days.

Now, their combined one day work

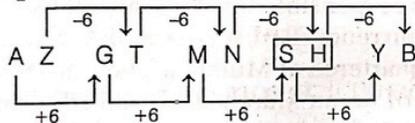$$= \frac{1}{15} + \frac{1}{15/2} = \frac{1}{15} + \frac{2}{15} = \frac{3}{15} = \frac{1}{5}$$

∴ They will together take 5 days to complete the work.

71. (a) The pattern of the given series is

2 , 7 , 17 , 32 , 52 , [77]

+5 +10 +15 +20 +25

∴ ? = 77

72. (c) The pattern of the given series is

−6   −6   −6   −6
A Z   G T   M N   [S H]   Y B
+6   +6   +6   +6

∴ ? = SH

73. (b) 'Two' is different, as it is an even number whereas rest of the numbers are odd number.

74. (d) The position of the letters in English alphabetical series are

$a = 1 = 1^2$ (perfect square)
$d = 4 = 2^2$ (perfect square)
$p = 16 = 4^2$ (perfect square)
but, $u = 21$ (not a perfect square)
Hence, u is different from the other.

75. (d) As, B E G K   Similarly, P S V Y

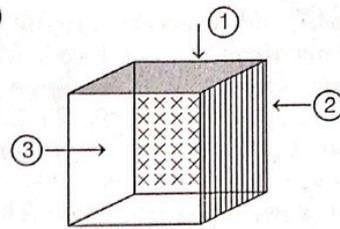−1 −1 −1 −1   −1 −1 −1 −1
[A D F J]   [O R U X]

∴ ? = ORUX

76. (d)

↑ Father
| Only son
↓

Ami → Sister → Brother

∴ The man in the photograph is the brother of Ami.
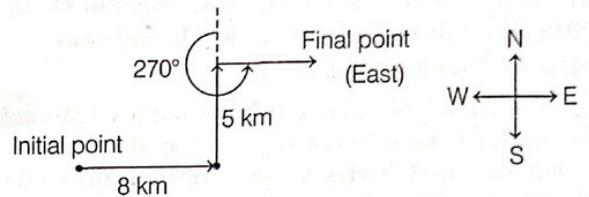
77. (b)

The required minimum number of colours = 3

78. (b) Total number of ways $= \dfrac{n(n-1)}{2}$

$$= \frac{5(5-1)}{2}$$

$$= \frac{20}{2} = 10 \quad [\because n = \text{Number of cities} = 5]$$

79. (b) According to the question,

It is clear from the diagram that he is finally facing East direction.

Sol. (Q. Nos. 80-82) *According to the question, the arrangement is as follows.*

Person	Game	Hobby
Arun	Cricket	Singing
Bharat	Hockey	Painting
Chandu	Cricket	Painting
Dharma	Hockey	Dancing

80. (c) Chandu plays cricket and interested in painting.

81. (b) Arun is a singer.

82. (d) Dharma plays hockey and his hobby is dancing.

83. (b) Assertion (A) is correct.
The Constitution of India is the largest written Constitution in the world. This is considered so because it is lengthiest Constitution. Originally, the Constitution had 395 articles, divided into 22 parts and 8 schedules. At present, our Constitution contains 448 articles, with 12 schedules.

Reason (R) is not the correct explanation of (A). India follows a bicameral system i.e., it has two houses upper house called Rajya Sabha and lower house called Lok Sabha. The Parliament consists of the President, Rajya Sabha and Lok Sabha.

84. (a) Both Assertion (A) and Reason (R) are true and (R) is the correct explanation of (A). The carrying of fountain pen is not advisable on an aeroplane. This is because it is considered risky since the air pressure in aeroplane is lower and the high pressure within the fountain pen may trigger the spillage of ink.

85. (a) Both Assertion (A) and Reason (R) are true and R is the correct explanation of (A). The Eastern part of India produces more rice to that of Western part. This is because the Eastern part receives more rainfall than the Western part of India. The rice requires heavy rainfall for its growth (more than 100 cm) and this condition is fulfilled in Eastern region. The Eastern part consist of states of Bihar, Jharkhand, Odisha and West Bengal.

86. (b) Haryana will host the 4th edition of the Khelo India Youth Games. The Khelo India Youth Games are scheduled to be held in Panchkula after the 2021 Tokyo Olympics. Khelo India is a national level multidisciplinary sport event in India. The game is held for two categories, namely under-17 year's school students and under-21 year's college students. The first edition of Khelo India was held in Delhi in 2018. The third edition of the Khelo India was organised at Guwahati (Assam) in 2020.

87. (d) The 2020 Nobel Prize in Physiology or Medicine has been awarded to Harvey J. Alter, Michael Houghton and Charles M. Rice for their discovery of Hepatitis C Virus. Harvey J. Alter demonstrated that an unknown virus was a common cause of chronic hepatitis. Michael Houghton isolated the genome of the new virus that was named Hepatitis C virus. Charles M. Rice provided the final evidence showing that Hepatitis C virus alone could cause hepatitis.

88. (c) Joe Biden of Democratic Party become the 46th President of United States. He succeeded Mr. Donald Trump. Biden has also served as the 47th Vice-President from 2009 to 2017 under the Barack Obama. Along with Biden, Kamala Devi Harris has been elected as the 49th Vice-President of the United States. She is also the first female Vice-President of United States.

89. (a) Kalyan Jewellers has launched advertisement named 'Muhurat' that features Katrina Kaif along with Amitabh Bachchan. In February 2021, Amitabh Bachchan digitally launched the advertisements on social media that both Amitabh Bachchan and Katrina Kaif is brand ambassador for Kalyan Jewellers.

90. (b) 'Urban Ladder' is a well-known online company dealing with Furniture-Home Decor. Urban Ladder was founded in 2012. It is based in Bangalore. Urban Ladder has both online business model for distribution.

91. (d) Sachin Tendulkar has paired with Arvind Fashion to bring out the label 'True Blue'. True Blue is a joint venture between cricket legend Sachin Tendulkar and Arvind Fashion Brands Limited. The venture offers a range of products including summer suits, t-shirts, chinos among many others.

92. (b) Tipu Sultan was popularly known as 'Tiger of Mysore'. He was the ruler of the kingdom of Mysore (1780-84). Tipu fought the First Anglo-Mysore War (1767-69) and Second Anglo-Mysore War (1780-84). He was killed defending his capital Srirangapatna in the Fourth Anglo-Mysore War.

93. (a) Rabindranath Tagore was the first Indian to win the Nobel Prize. He was the first Indian and Non-European to be awarded Nobel Prize in the field of Literature in 1912. He was a polymath Bengali poet, writer, composer, philosopher, social reformer and painter.

94. (a) India celebrates birthday of Swami Vivekananda on 12th January every year as the 'National Youth Day'. He was a chief disciple of Indian mystic Ramakrishna. He led the Hindu reform movements in India and contributed to the concept of India nationalism as a tool to fight against the British Empire in colonial India. Swami Vivekananda also founded the Ramakrishna Math and the Ramakrishna Mission.

95. (d) The Leaning Tower of Pisa is a free-standing bell tower is located in Italy. The leaning is the result of an unstable foundation. The tower is situated in the city of Pisa behind the Pisa Cathedral. It was constructed in 1173 AD.

96. (c) Accepting the deposits from public is not a function of RBI. Reserve Bank of India (RBI) is India's Central Bank which is considered as lender of the last resort of banks. This is why RBI is also known as the banker of the banks. It acts as a bank for all the commercial banks in India. In India, the monetary policy is also devised by the RBI. Further, it is also responsible for the issue and supply of the Indian currency. RBI was established in 1935. RBI is headquartered at Mumbai. The present Governor of the RBI (as on March 2021) is Shaktikanta Das.

97. (a) Durand Cup is associated with the Football. The Durand Football Tournament or Durand was first held in 1888 in Annadale, Shimla. It is co-hosted by the Durand Football Tournament Society (DFTS) and Osians.

The tournament is the oldest existing football tournament in Asia.

98. (d) Plastics are not a good conductor of electricity. Plastics are bad conductors of electricity because electrons in them are bound to their respective 'parent' atoms and are not free to move.

99. (c) Biotic resources are derived from living things. Biotic factors are the living components present in an ecosystem. More specifically, it includes all flora and fauna. Abiotic factors refer to all the non-living components present in an ecosystem. It typically comprises physical and chemical components.

100. (c) Parliament of India consists of the President, the Rajya Sabha (Council of States) as the upper house and the Lok Sabha (House of the People) as the lower house. The Article 79 of the India Constitution states that India will have a Parliament for making laws to run the democratic set up of the country.