

Directions for questions 1 to 15: Select the correct alternative from the given choices.

- Mohan and Sohan started running from the same point (M_0) on a circular track simultaneously in opposite directions. Mohan's speed is four times that of Sohan. After every meeting they exchange their speeds and directions. M_1, M_2, M_3, M_4 and M_5 represent points of their first five meetings. Which of the following would coincide with M_0 ?
(A) M_2 (B) M_3 (C) M_4 (D) M_5
- A shopkeeper has 30% profit margin on selling milk. If he adds 30% water to the existing milk and sells the resulting mixture at the same rate as he usually sells, his profit percentage is
(A) 60% (B) 57% (C) 69% (D) 74%
- The cost of 5 sharpeners, 7 erasers and 9 pens is ₹88. The cost of 8 sharpeners, 11 erasers and 14 pens is ₹138. Find the cost of 1 sharpener, 1 eraser and 1 pen.
(A) ₹14 (B) ₹9
(C) ₹12 (D) cannot be determined
- Taking $\sqrt{3} = 1.732, \sqrt{108} =$
(A) 9.264 (B) 10.392 (C) 11.468 (D) 10.962
- In a basket, there are 4 white balls, 5 red balls and 6 black balls. The number of ways of drawing three balls, one after another, randomly of the same color from the basket is (Assume no ball drawn is replaced)
(A) 192 (B) 204 (C) 216 (D) 224
- If $\log x^8 = \log 14^{12}$, then $x =$
(A) $7^{\frac{1}{2}} \times 2^{\frac{1}{2}}$ (B) $7^{\frac{3}{2}} \times 2^{\frac{1}{2}}$
(C) $7^{\frac{1}{2}} \times 2^{\frac{3}{2}}$ (D) $7^{\frac{3}{2}} \times 2^{\frac{3}{2}}$
- On scoring 87 in a certain test in a particular semester, Mohan's average score per test in the semester changed from 69 to 75. How much he should have scored in that test so that his average score per test be 73?
(A) 84 (B) 81 (C) 82 (D) 85
- A men working for 2A hours a day for 3A days can construct a wall A m long. What would be the length of a wall that B men working for $\frac{B}{2}$ hours a day for 12B days can construct? (in meters)
(A) $\frac{A^3}{B^3}$ (B) $\frac{B^3}{A^2}$ (C) $\frac{A^2}{B^3}$ (D) $\frac{B^2}{A^3}$
- P and Q are non-negative integers.
P + Q is even. Which of the following must be true?
(A) $P^2 + Q^2$ is a multiple of 4
(B) $P^2 + Q^3$ is odd
(C) $P^3 - Q^3$ is odd
(D) $(P - Q)^2$ is even
- Find the maximum value of $5 + 12x - x^2$.
(A) 43 (B) 39 (C) 41 (D) 35
- From the top of a tower, the angle of elevation of the top of a building is 60° . The angle of depression from the top of the tower to the base of that building is 45° . The height of the building is 30 m more than that of the tower. Find the height of the building.
(A) $10(\sqrt{3} + 1)m$ (B) $30(\sqrt{3} + 1)m$
(C) $10\sqrt{3}(\sqrt{3} + 1)m$ (D) $30\sqrt{3}(\sqrt{3} + 1)m$
- The sum of the first and the last terms of a GP is 258. The product of the third term and the third term from the last is 512. Find the first term of the GP.
(A) 2 (B) 256
(C) Either (A) or (B) (D) Neither (A) nor (B)
- Two square plots have same side length of S. Arun has 5 cows. He takes one of these and ties it at the middle of one of the plots with a rope of length equal to $\frac{S}{2}$. He takes the other 4 cows and ties each of them at the corner of the other plot with ropes of length $\frac{S}{2}$ each. Find the ratio of the ungrazable areas in the two plots.
(A) 1 : 2 (B) 1 : 3 (C) 1 : 4 (D) 1 : 1
- At a certain fort, there were 4400 soldiers. The provisions are available for the soldiers will last for 51 days if each soldier consumes 975 gms/day. For the first 13 days, each soldier consumed 975 gms/day. After 13 days, 1600 soldiers joined the existing soldiers. The number of days for which the remaining provisions will last for all the soldiers if each soldier consumes 950 gms/day is
(A) 27.2 days (B) 27.8 days
(C) 28.6 days (D) 29.4 days
- Mohan had 5 fifty-rupee notes, 3 hundred rupee notes and 4 five-hundred rupee notes in his pocket. Two notes were drawn at random. Find the odds in favour of both being fifty rupee notes.
(A) 5 : 33 (B) 28 : 33 (C) 5 : 28 (D) 28 : 5

Directions for questions 16 to 19: Select the correct alternative from the given choices.

- If the lines $2x + 3y - 12 = 0, 3x + 4y - 17 = 0$ and $4x + ay - 22 = 0$ are concurrent, then find a.
(A) 1 (B) 5 (C) 6 (D) 7

17. Which of the following statements is/are always true?
 (A) Non vertical parallel lines have equal gradients.
 (B) Perpendicular lines (Non-vertical) have the product of their gradients as -1 .
 (C) Lines parallel to the x - axis have a gradient of 0.
 (D) All of these
18. There are 2 strains of bacteria such that one strain of bacteria doubles every 10 seconds and the other triples every 10 seconds. If after 40 seconds, the total number of bacteria is 337, then find the number of bacteria at the beginning.
 (A) 10 (B) 4 (C) 6 (D) 17
19. The average weight of a group of certain boys is 42 kg. When two boys with weights of 38 kg and 43 kg left the group and one boy with a weight of w kg joined the group, the average did not change. Find the value of w .
 (A) 45 (B) 42 (C) 39 (D) 40
20. How many of the following quantities must be equal for a symmetric distribution?
 Mean (arithmetic mean); median; mode; range
 (A) 0 (B) 2 (C) 3 (D) 4
21. The number of three digit numbers which can be formed using the single digits that no digit is repeated in each number is
 (A) 720 (B) 504 (C) 648 (D) 864

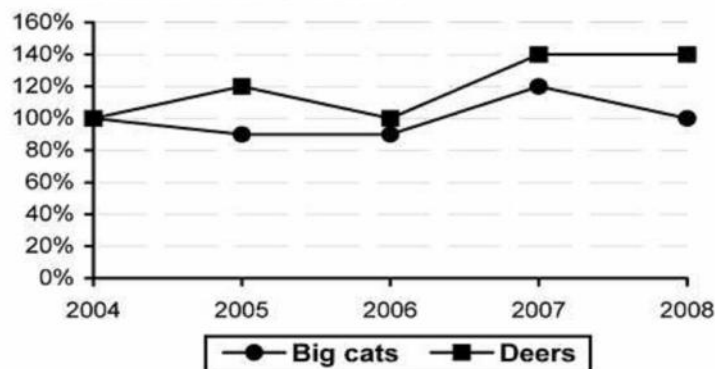
22. $1 \times 1! + 2 \times 2! + 3 \times 3! + \dots + 20 \times 20! =$
 (A) $21! + 1$ (B) $22! - 1$ (C) $22! + 1$ (D) $21! - 1$
23. A certain principal was invested for three years at $R\%$ p.a. simple interest and for the subsequent four years at $2R\%$ p.a. simple interest. It amounted to ₹600 at the end of three years and ₹880 at the end of seven years. Find the principal invested.
 (A) ₹495 (B) ₹505 (C) ₹485 (D) ₹515

Directions for question 24: This question is followed by two statements giving certain data. You have to decide whether the information provided in the statements is sufficient for answering the question.

- Choose 1 if the question can be answered by using one of the statements alone, but cannot be answered by using the other statement alone.
 Choose 2 if the question can be answered by using either statement alone.
 Choose 3 if the question can be answered by using both statements together, but cannot be answered by using either statement alone.
 Choose 4 if the question cannot be answered even by using both the statements together.

24. Find the cost price of article P.
 I. Article Q was sold for ₹30 which is thrice the price at which P was sold
 II. Profit margin on P was 25%

Directions for question 25: The following graph gives the details of the population of big cats and deer in the National Wildlife Sanctuary of Uttar Pradesh for different years.



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25. If the ratio of the number of big cats to that of deer in the park for the year 2004 was 1 : 20, then what was the ratio between these animals in the year 2007?
 (A) 2 : 105 (B) 1 : 35 (C) 5 : 140 (D) 3 : 70

LOGICAL REASONING

Directions for questions 26 to 50: Select the correct alternative from the given choices.

26. Sandeep applied for DMAT exam. Today, Thursday, his father asked about the day on which he would be writing the exam. Sandeep told him that his exam is on a Sunday. He observed that the number of days between the exam and today is a multiple of 50. Find the number of days between today and the day on which he would be taking the DMAT exam.
 (A) 150 (B) 200
 (C) 100 (D) 250
27. Kapil went to a theatre to watch a movie with three of his friends. He met one of his old friends, Anil at the theatre. To be in touch in future, they exchanged their phone numbers. On the way back home, Kapil lost the paper on which he noted down Anil's phone number. He tried to remember the number but wasn't sure about it. So, he asked his friends if they remember Anil's phone number. Following are their responses. Choose the one which is the most probable phone number of Anil.
 (A) 044 - 2236178 (B) 044 - 2235179
 (C) 044 - 2236718 (D) 044 - 2235178

28. Five sets of letter sequences are given below. Read the given sequences carefully and choose the statement which is true.

P Q R R I R R R P Q Q P
P R I
P Q R R I P P R P Q Q P
I P R I
P Q R P I R P R R Q Q R
I R R P
P Q R R I R P R P Q Q P
R I P R
P Q R R I R R R P Q Q P
I P R I

- (A) All the sequence are different.
(B) Two of the sequences are same.
(C) Three of the sequence are same
(D) Four of the given sequences are same.

29. Find the missing letter in the following series.

B, W, —, T, K, Q, Q, N
(A) Z (B) D (C) H (D) F

30. Find the wrong number in the following series.

644, 312, 148, 64, 30
(A) 148 (B) 312 (C) 64 (D) 644

31. Find the missing number $\frac{5}{11}$, $\frac{11}{24}$, —, $\frac{47}{102}$

(A) $\frac{23}{50}$ (B) $\frac{24}{50}$ (C) $\frac{23}{52}$ (D) $\frac{24}{52}$

32. Out of 22 people living in a colony, some are men, some are women and the rest are children. How many children are there in the colony?

- I. There are two married couples who have three children each.
II. Every adult in the colony is married and living with his /her spouse. Three married couples have only one child each.

Mark your answer as

- (A) If only I is sufficient to answer the question.
(B) If only II is sufficient to answer the questions.
(C) If I and II together are sufficient to answer the question.
(D) if I and II together are also not sufficient to answer the question.

33. Assuming the given statements to be true, identify which of the following conclusions logically follows the two given statements.

Statements :

Some flowers are fruits.
Some fruits are vegetables.

Conclusion:

- I. Some flowers are vegetable.
II. Some vegetable are fruits.

- (A) Only I follows
(B) Only II follows
(C) Both I and II follow
(D) Neither I nor II follows

34. A main statement is given below followed by four statements (a), (b), (c) and (d). Find the ordered pair in which the first statement implies the second statement and the two are logically consistent with the main statement.

Main statement:

If I get good marks in the exam, then I will get a job.

- (a) I got good marks in exam.
(b) I did not get good marks in exam.
(c) I will get a job.
(d) I will not get a job.
(A) ac (B) ca
(C) bd (D) ac and db

35. Five persons P, Q, R, S and T are sitting in a row. R is second to the left of T and is to the immediate right of P. Q is not sitting at any end. Who among the following is sitting in the middle of the row?

(A) Q (B) R (C) T (D) R or Q

36. Nine students, A through I are sitting in a row not necessarily in the same order. The following information is known about them.

- (a) C is second to the left of A.
(b) E, B and H are sitting together.
(c) D is third to the left of I who is at the sixth position from left end.

Who among the following cannot be at any end?

(A) C (B) F (C) B (D) E

37. Six persons P, Q, R, S, T and U are sitting around a circular table, not necessarily in the same order.

- (a) R is to the immediate right of T.
(b) P is exactly between S and U.
(c) U is to the immediate left of Q.

If the above statements are true, then who among the following is the immediate neighbour of S on her left?

(A) P (B) Q (C) R (D) U

38. Four friends Adam, Bryan, Charlie and Donald are from different cities A, B, C, D and have cars of different colors among black, yellow, white and red. Three of them are working in the same company. Charlie owns a white car and he is from city B. Bryan does not own a Red car. Donald is from city C. The person who is from City A is not working in the company in which others are working. Adam and the person who owns a yellow car are working in the same company. The person who owns the red car, is from which city?

(A) A (B) B
(C) D (D) Cannot be determined

39. Each of the four kids W, X, Y and Z ate different chocolates among Silk, Five star, Bournville and Munch. They threw the wrappers at four different places among dustbin, balcony, terrace and street y ate a Five star but he did not throw the wrapper in a dustbin. Bournville's wrapper was thrown on the street but not by W. Z did not eat a Munch. Silk's wrapper was thrown on the terrace. Where was Munch's wrapper thrown?

(A) Terrace (B) Street
(C) Dustbin (D) Cannot be determined

40. Every house in the Patel street of Sancharpuri colony has a gate and each of these gates is either black or grey but not both.

If the above information is true then which of the following must be true?

- (A) Some of the gates in Patel street are grey.
(B) Some of the gates in Patel street are black.
(C) If a house in Sancharpuri colony does not have a gate, then it is not in Patel street.
(D) If a house in Sancharpuri colony has a black gate then it is in Patel street.

41. Kushal started from his house and travelled South. After travelling for 40 km he turned right and travelled 15 km. Again he turned right and travelled 10 km. Finally he turned right and travelled 15 km. How far is he from his house (in km)?
 (A) 20 (B) 30
 (C) 25 (D) 35

42. Amaravati and her family members are living in a house. Amaravati's mother Chadrakanta has a brother whose name is Rajshekhar. Sangakara is the husband of Chandrakanta. Rajshekhar's father Vikramaditya has only two children.

Amaravathi started a school Hariharan Public School, which was named after her grandfather. How is Vikramaditya related to Amaravathi?

- (A) Paternal Grand father
 (B) Meternal Grandfather
 (C) Aunt
 (D) Uncle
43. A clock loses 10 sec in 8 minutes. It is set to show correct time at 3:30 pm. If the time in this clock is 11:20 pm on the same day then what is the actual time?
 (A) 11 : 35 (B) 11 : 25
 (C) 11 : 30 (D) 11 : 40

44. In a cube, one pair of opposite faces is painted yellow, one pair of adjacent faces is painted green and the rest is painted blue. Now, the cube is cut into 125 identical cubes. How many smaller cubes have no face painted?
 (A) 27 (B) 24
 (C) 64 (D) 32

45. In a football tournament, there are two groups. Teams A, B, C and D are in group I and teams P, Q, R and T are in group II. Each team of group I plays exactly one match with each of the teams of group II.

Table - 1 shows the number of matches won by the teams and Table-2 shows some of the matches won by the teams.

Table - 1

Team	Won	Team	Won
A	1	P	3
B	3	Q	1
C	3	R	2
D	2	S	1

Table - 2

→ Team ↓	P	Q	R	S
A				
B		B		
C				C
D	P			

Consider the following statements:

- (a) Q beats B.
 (b) D beats R.

- (c) A beats S.
 (d) Q and S beat the same teams.
 (e) B and C beat the same teams.
 If the statement (e) is true, then which of among (a), (b), (c) and (d) statements is true?
 (A) a (B) b (C) c (D) d

46. There are four batches in a coaching institute, B₁, B₂, B₃ and B₄ which have to be taught during the week, Monday through Saturday. Every batch has only one class a day. There are six teachers in the institute, A, B, C, D, E, and F. Only one teacher teaches a batch on a particular day. A can take a class on Wednesday, Thursday, Friday and Saturday. He can take a class on Monday in case of an emergency. B can take classes on Monday, Tuesday, Wednesday, Thursday, and Saturday. But he can take classes at most four days in a week. C can take classes on Monday, Tuesday, Wednesday, Thursday and Friday. D can take a class on Tuesday, Thursday, Friday and Saturday. E can take classes on Monday, Tuesday and Wednesday. He can take classes on Saturday in case of an emergency. F can take classes on Monday, Thursday, Friday, and Saturday. Exactly one of B or E can take classes on Monday. Also E can take classes on, at most three days in a week. If A cannot take classes on Saturday then which of the following is/are true?

- (a) A, B, C and F take classes on Monday.
 (b) A, B, D and F take classes on Thursday.
 (c) B, D, E and F take classes on Saturday.
 (A) Only a
 (B) Only a and b
 (C) Only c
 (D) Only a and c

47. The number of tablets sold this year exceeded the number of smart phones sold as opposed to last year. Hence, most people prefer tablets to smart phones. Which of the following parallels the reasoning given above?

- (A) The number of TV shows aired this year exceeds the number over last year. Hence, more people spend time watching TV.
 (B) The number of MBA entrance exams taken this year exceeds the number of other PG entrance exams taken when compared with last year. Hence, more students prefer MBA to other PG programs.
 (C) The number of books sold this year exceeds the number of magazines sold when compared with last year. Hence, more people prefer magazines to books.
 (D) The number of two wheeler accidents this year approximates the number of four-wheeler accidents when compared with last year. Hence, more people prefer two-wheelers to four-wheelers.

48. An article in a science magazine: Animal experimentation is necessary in laboratories for conducting research on development of vaccines and cures for human illnesses. Animals are harmed in the process. But what will happen to research on AIDS, heart disease, and cancer if animal experimentation is completely stopped?

Which of the following statements is consistent with the article?

- (A) The harm done to animals cannot be clearly measured.
- (B) The discovery of anesthesia came from observing humans being insensitive to pain during "ether parties", an entertainment involving ether inhalation.
- (C) There is ample evidence demonstrating the harmful effects of that polio vaccine has had on human health.
- (D) The harm done to humans by not experimenting on animals is far worse than harming animals by experimenting on them.

49. A new initiative by the finance ministry will soon allow banks to raise money by issuing bonds against loans disbursed by them. This strategy will ensure that more capital is readily available in the markets for further lending.

The information above is based on which of the following assumptions?

- (A) There is a shortage of capital in the markets at present.
- (B) The initiative will reduce interest rates on loans.

- (C) The finance ministry will give approval to the initiative.
- (D) There are players in the market willing to invest in such bonds.

50. The following advertisement issued by the smokeless Tobacco Association of India after 14 states banned the use of smokeless tobacco:

"14 states in India believe that smoking cigarettes is healthy. The number of chemicals present in smokeless tobacco is 3000 as opposed to 4000 in cigarettes."

Which of the following, if true, describes the flaw in the advertisement?

- (A) The advertisement is aimed at misleading the general public.
- (B) The advertisement fails to describe how smoking cigarettes is healthy.
- (C) The advertisement fails to take into consideration people's habits with respect to cigarettes and smokeless tobacco in the rest of the country.
- (D) The advertisement misinterprets the ban on smokeless tobacco and fails to justify whether the 4000 chemicals in cigarettes are at least as harmful as those present in smokeless tobacco.

LANGUAGE COMPREHENSION

Directions for question 51: The question gives a word followed by four choices. From the choices, select the most suitable synonym (word which means the same) for the main word and mark its corresponding letter as the answer.

51. RECLUSE

- (A) novice
- (B) arbiter
- (C) loner
- (D) fugitive

Directions for question 52: In the following question, the word at the top is used in four different ways, labelled A to D. Choose the option in which the usage of the word is INCORRECT or INAPPROPRIATE.

52. TURN

- (A) The road turns to the left after the church.
- (B) Turn the sweater inside out before you wash it.
- (C) You must turn in your pass when you leave the building.
- (D) They had nowhere to stay so I couldn't turn them down.

Directions for question 53: In the following question four lettered choices are given. Three of them belong to the same category. Mark the letter corresponding with the 'odd man' as your answer.

53. (A) Charge sheet (B) Court-martial
(C) Suspension (D) Adjournment

Directions for questions 54 to 56: Read the passage carefully and choose the best answer for the questions that follow it.

The internet has promoted the concept of electronic commerce. In principle, electronic commerce is no different from actual world commerce. The only difference is that electronic commerce uses the electronic medium, but the basic rules of commerce remain the same. It is true that the electronic environment has certain distinct requirements but they are merely procedural in nature and do not in any case impact the specific character of commercial transactions over the Internet. Just as immovable property can be bought and sold in the actual world, so can immovable property be sold over the internet. This is evident from numerous examples that are available on the internet. Recently there were attempts to sell a town in California over the Internet. The auction site e-Bay ended a month-long auction of the 150 acre Mojave desert town called Amboy. This town has seven residents and has a post office, motel, church, gas station, cafe, gift shop and two landing strips. The owners of the town – the celebrity photographer, Timothy White and his business partner Wilson – had put the town to auction on e-Bay.com. It is a different matter altogether that none of the bids could match the reserve selling price of the town. This example once again shows that immovable property can be bought and sold over the internet. However, this is the international position. In India, we realize that the situation is dramatically different. In India, the Information Technology Act 2000, legally governs e-commerce. A perusal of the relevant provisions of the IT Act 2000 makes it clear that it does not apply to any contract for the sale or conveyance of immovable property or any interest in such property. This really means that no legal recognition is accorded to electronic transactions relating to the sale or conveyance of immovable property or any interest in such property. Thus, legally speaking in India, you cannot buy or sell immovable property over the internet. The restriction is because of the inadequacy of the existing Indian law. The legislature may have excluded any contract for the sale or conveyance of immovable property from the ambit of the IT Act 2000 because it felt that the situation wasn't ripe for its inclusion as yet. However, things are likely to change since India is in the process of coming up with laws relating to electronic fund transfer, etc, to further facilitate e-commerce and that includes sale of immovable property over the internet as well.

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- 53. (A) Charge sheet
- (B) Court-martial
- (C) Suspension
- (D) Adjournment

54. The word 'ambit' as used in the passage means
 (A) provision. (B) territory.
 (C) focus. (D) scope.
55. What is the notable difference between Indian and the US cyber law?
 (A) The Indian cyber law is thorough unlike the US cyber law.
 (B) The US cyber law is fool proof unlike the Indian one.
 (C) Transactions related to immovable property are not legalized by Indian cyber law.
 (D) American cyber law was framed two decades ago whereas Indian cyber law was framed a few years ago.

56. The author's opinion regarding e-commerce is that
 (A) things are likely to change in India.

Directions for question 58: Read the passage carefully and answer the question that follows it.

Young, inexperienced people were sucked into the job market during the boom, but are not what companies are looking for now, especially in the field of finance. This time around, Wall Street firms are being more picky about their hiring, looking for experienced, highly productive bankers, traders, and brokers – instead of the thousands of young people they would have hired in earlier times of recovery. Now here is the dramatic difference more true than in the technology area. Many consultancy firms are automating basic work such as payroll and other administrative functions, while moving software (maintenance and testing) jobs to overseas locations.

This draws attention, again, to the vexing issue of outsourcing. No one doubts its impact, but the extent is not as much as many fear – the phenomenon accounts for only about 10% of jobs lost over the past 3 years. What is worrying, however, is the fact that there is change in the types of occupations affected by outsourcing. While white-collar jobs remained unaffected in previous business cycles, that is no longer the case – this segment is now becoming increasingly vulnerable.

58. 'Vulnerability', in the passage, refers to
 (A) the elimination of jobs
 (B) the increase in affected occupations
 (C) the loss of white-collar jobs.
 (D) replacement by outsourced jobs

Directions for question 59: Select the correct alternative from the given choices.

A leading furniture company after a lot of research has developed a process for making multi density boards using wood among other things. These boards can be used for making many of the house hold furniture like cupboards or chairs. But what does the company think furniture is made of? Surely the mania for high technology cannot go further than this!

59. The author's criticism of the process developed by the furniture company is based primarily on the fact that
 (A) furniture can be made from wood without any elaborate process.
 (B) multi-density boards are unlikely to be durable for high quality furniture.
 (C) the cost of developing the process out-weighs any saving possible from the use of multi-density boards.
 (D) there are many other spheres of human activity in greater need of technological research.

Directions for question 60: The following question has a paragraph from which the last sentence has been deleted. From the given options, choose the one that completes the paragraph in the most appropriate way.

- (B) the laws relating to fund transfer will be formulated in due course of time.
 (C) the internet laws will become more severe to tackle cyber crimes.
 (D) it will overtake the real commerce in a few years.

Directions for question 57: A foreign expression and four English phrases are given in the following question. Identify the meaning of the foreign expression from the choices and mark its corresponding letter as the answer.

57. IDEE FIXE
 (A) complacency (B) rudiment
 (C) obsession (D) remnant

60. Numerous men and women prefer part-time jobs or jobs that allow them to work at home, even if better-paying full-time jobs are open to them, because they are willing to reconcile themselves with earning a lower income in order to dedicate more time to their children and be at home when their children are there. People who switch to new careers that are more personally meaningful but less lucrative also fall into this category. For instance, a 1997 source reports that a growing wave of engineers, military officers, lawyers and business people are switching careers and becoming teachers. _____
 (A) Such career changers have significantly redefined their attitudes toward work.
 (B) Such carrier changers have redefined their significant attitudes towards work.
 (C) Such career changers had redefined their attitudes towards significant work.
 (D) Such career changers had been redefining their attitudes significantly towards work.

Directions for question 61: In the question, there are five sentences. The sentence labelled a is in its correct place. The four that follow it are labelled b, c, d and e, and need to be arranged in the logical order to form a coherent paragraph. From the given options, choose the most appropriate option.

61. a. By creating a chronology of our history and preserving it for the future, museums serve as a link between our present and our past identity.
 b. But like the phoenix, the museum came back to life from its own ashes.

- c. It took seven years of toil and research to retrieve the broken pieces of artefacts from the debris and infuse life into them
- d. The building, along with its exhibits, was completely flattened by the earthquake and left

- nothing much to gather but dust.
- e. But the Kutch museum was one of the casualties of the Gujarat earthquake.
- (A) edcb (B) cdbe (C) cbed (D) edbc

Directions for questions 62 and 63: Read the passage carefully and choose the best answer for the questions that follow it.

The Ajanta caves lie in the side of a ravine in wild and desolate country some 350 miles to the northwest, at the extreme tip of Hyderabad state where it touches the Bombay Province. Properly speaking they were not caves at all, but temples which had been excavated from the living rock by Buddhist monks. These monks had first come to the ravine somewhere in the second century before Christ and they had begun by hacking out the rock by hand and hurling it down into the river below. Then, probably with large mirrors to reflect the sunshine from the ravine outside, they set about the decoration of the walls, the doorways and the ceilings. They continued for the next eight hundred years, always painting and sculpturing the Buddha, but setting him against an idyllic background of folk tales and the everyday life of their own time in much the same way as in the Italian Renaissance over a thousand years later. The work was subsidized by the wealthy merchants and princes of the surrounding countryside.

62. The sculptures and paintings are the works of
- (A) renowned artists.
- (B) Buddhist monks.
- (C) wealthy merchants.
- (D) courtiers from Hyderabad state.
63. The monks used large mirrors to reflect sunlight in order to
- (A) use the heat from the sun for drying.
- (B) focus sunlight to make their painting appear beautiful.
- (C) get light to do their work.
- (D) make the place livable.

Directions for question 64: The following question presents a sentence, part or all of which is underlined. Beneath the sentence, you will find five ways of phrasing the underlined passage. The first answer choice repeats the original; the other four are different. If you think the original phrasing is best, choose the first answer; otherwise choose one of the others.

64. Although a lull in terrorist activities had raised hopes for an improvement finally being underway, many observers feel that vigilance and intelligence are necessary to prevent any deterioration in the situation.
- (A) had raised hopes for an improvement finally being
- (B) has raised hopes that an improvement is finally
- (C) have raised hopes that there is an improvement finally
- (D) raised hopes for an improvement finally

Directions for question 65: Select the correct alternative from the given choices.

65. Murali: I will not vote for Mr. Pandey in the next election. He is not strongly opposed to corruption in public life.
- Meena: But Mr. Pandey spoke in favour of the anti-corruption Bill in the parliament.
- Murali: If Mr. Pandey spoke in favour, the Bill would not be strongly against corruption.
- Which of the following identifies the flaw in Murali's reasoning?
- (A) He assumes without proof that corruption is the most important issue in the upcoming election.
- (B) He argues in a circular manner, using an unsupported assertion to dismiss conflicting evidence.

- (C) He attacks Mr. Pandey on personal grounds than on his merit as a political leader.
- (D) In deciding not to vote for Mr. Pandey he fails to consider issues other than corruption.

Directions for question 66: An idiom and four possible meanings are given. Identify the meaning from the choices and mark its number as the answer.

66. A right hand man
- (A) using only the right hand
- (B) one who takes immediate action
- (C) one who delays
- (D) most trusted assistant

Directions for question 67: The following question presents a sentence, part or all of which is underlined. Beneath the sentence, you will find four ways of phrasing the underlined passage. The first answer choice repeats the original; the other four are different. If you think the original phrasing is best, choose the first answer; otherwise choose one of the others.

67. Using satellite pictures beamed from space, cyclonic storms can be forecast by meteorologists 48 hours in advance.
- (A) Using satellite pictures beamed from space, cyclonic storms can be forecast by meteorologists 48 hours in advance.
- (B) Cyclonic storms can be predicted 48 hours in advance, using satellite pictures beamed from space.
- (C) Forecasting a cyclonic storm 48 hours in advance, a meteorologist can make use of satellite pictures beamed from space.
- (D) Using satellite pictures beamed from space, meteorologists can forecast a cyclonic storm 48 hours in advance.

Directions for question 68: In the question, a word with its contextual usage is provided. Pick the word from among the alternatives that is the most appropriate substitute for the question word in the given context and mark its corresponding letter as your answer.

68. Obnoxious: She was really upset with him after his obnoxious behavior.
- (A) vile (B) nauseous
- (C) occult (D) niggardly

Directions for questions 69 and 70: Read the passage carefully and choose the best answer for the questions that follow it.

Alleviating poverty requires taking measures that enable the poor to fend for themselves. The measures should ensure that the poor people who manage to break out of the vicious cycle of poverty are able to sustain their upward momentum. For the rural poor those measures must include primary healthcare, provisions of water and electricity, and perhaps basic literacy. Truly, those are not beyond the ability of any state or national government in India. But it does require a moral resurgence among the rich and middle class, a sense of duty that says the continuance of destitution is a stain on all members of the rich and the middle classes and, therefore, cannot be tolerated.

India is a democracy, but an incomplete one. The existence of one-man-one-vote does not mean that the poor masses who deliver most of the votes actually have a say in anything or have any influence to obtain their betterment as a national category. Various kinds of poor and destitute people do have influence at certain times such as some sections of the dalits in some parts of the country. But as a category, the poor have no say in policies.

Those who do have a say in India are the rich and the middle classes. Their outrage does influence governments at both the national and state levels, although they are not numerous enough to either decide on or dethrone governments in elections.

69. The dalits are mentioned as an example
- (A) for the poor and destitute.
 - (B) for a determined section of society.
 - (C) for influencing the government at all times.
 - (D) of a section that has some influence in some parts of the country.

70. Which of the following is true, according to the passage?
- (A) People in India feel that the poor are a stain on the society.
 - (B) The rich and the middle classes have some say in the government.
 - (C) The poor who are educated can break out of poverty.
 - (D) The poor have a say in government policies.

Directions for question 71: The question has a sentence with two blanks followed by four pairs of words as choices. From among the choices, select the pair of words that can best complete the given sentence.

71. The agility factor, which is seen by recruiters as attempting to work on your own _____ and developing totally new _____, will determine your career growth.
- (A) competency . . . challenges
 - (B) instincts . . . propensities
 - (C) prowess . . . investments
 - (D) opportunities . . . aptitude

Directions for question 72: In the question, four different ways of presenting an idea are given. Choose the one that conforms most closely to standard English usage.

72. A. We can't of course be sure of the exact balance of motivations that drove four young suicide bombers to strike but we can be certain that the bloodbath unleashed in Iraq was, at the very least, one of them.
- B. The exact balance of motivations that drove four young suicide bombers to strike can't be sure of course but we can be certain that the bloodbath unleashed in Iraq was at least one of them.
- C. We can't of course be sure of the exact balance of motivation that drove four young suicide bombers to strike but the bloodbath unleashed

in Iraq being at the very least, one of them can be certain.

- D. The exact balance of motivations that drove four young suicide bombers to strike can't be sure of course but we can be certain of the bloodbath unleashed in Iraq being at the very least one of them.

Directions for questions 73 to 75: Select the correct alternative from the given choices.

73. Though the government has come up with several schemes for uplifting the poor, the benefits of the schemes are reaching very few.

Which of the following could be a possible cause for the above situation?

- (A) All the documents relating to such schemes are printed in English and most of the poor are illiterates.
- (B) Government schemes are not actively advertised.
- (C) Most of the poor live in rural areas.
- (D) Most of such schemes are targeted at rural poor only.

74. On 8th January, the lowest temperature recorded in the capital for the winter season which lasted from November 2010 to February 2011 is 8.5 degrees Celsius. The lowest ever temperature recorded for the capital is 3 degrees Celsius and it was on 1st August, 1946. This is a clear evidence that global warming has led to changes in the time duration of seasons.

Which of the following, if true, weakens the conclusion arrived at in the above statement?

- (A) Global warming started taking place much prior to 1946.
- (B) Global warming leads to extreme temperatures.
- (C) Before global warming started taking place in 1970s, rainy season also used to record very low temperatures.
- (D) There is no record of temperatures in the capital prior to 1946.

75. It is cruel on the part of the college authorities to conduct classes on Sundays also while every other college in the state has declared both Saturdays and Sundays as holidays.
- Which of the following contradicts the views expressed in the above statement?
- (A) The number of students in this college is much more than that in any other college.
- (B) Unlike other colleges this college remained closed for the past two months due to floods.
- (C) The college authorities want their students to top the merit list in the state.
- (D) The government is taking action against those colleges which do not give weekly holiday to the students.

GENERAL AWARENESS

76. Which country will launch the construction of five new nuclear reactors with a total capacity of 5 Gigawatts in 2015?
a) China b) Japan c) Russia d) US
77. Who among the following has won the 13th Parsvanth International Grandmasters Chess Tournament?
a) Deepan Chakkravarthy b) Andrey Baryshpolets c) Ivan Popov d) Vardan Nagpal
78. Recently the National Immunization Day was held on.....January.
a) 16 b) 17 c) 18 d) 19
79. Nepali Congress leader..... was appointed as Nepal ambassador to India.
a) Deep Kumar Upadhyay b) Jeebraj Koirala
c) Jiji Mammen d) Rukma Shukshere Rana
80. Which country has committed to provide an Overseas Development Assistance loan of 2620 crore rupees to India?
a) China b) Japan c) Russia d) US
81. Andrae Crouch has passed away. Who was he?
a) Politician b) Magician
c) Gospel performer and songwriter d) Director
82. Ghelubhai Naik has passed away. Who was he?
a) Freedom fighter b) Actor
c) Politician d) Social Worker
83. India will provide how many million dollar LoC to Guyana for road infrastructure projects?
a) 40b) 50c) 60d) 70
84. Modibo Keita has been appointed as the Prime Minister of which country?
a) Indonesia b) Mali c) Turkey d) Kazakhstan
85. Australian Rodney Sturt Taylor died recently in Los Angeles. He is a
a) Actor b) Singer c) Dancer d) Director
86. Which country on 11 January 2015 announced to host an International Anti-terror Summit in the month of February 2015?
A. The United Kingdom B. The United States C. France D. India
87. Name the National Park that was shut down on 11 January 2014 for one week after 47 migratory birds were found dead in the park?
A. Keoladeo National Park B. Bharatpur Bird Sanctuary
C. Salim Ali Bird Sanctuary D. Sultanpur National Park
88. Name the person who on 11 January 2015 won the men's single of Chennai Open of Tennis?
A. Aljaz Bedene B. Stanislas Wawrinka C. Roger Federer D. Novak Djokovic
89. Jharkhand Assembly on 8 January 2015 adopted a resolution urging State government to send a proposal to Union Government for setting up a bench of the Jharkhand High Court in?
A. Dumka B. Jamshedpur C. Dhanbad D. Bokaro
90. Name the new class of antibiotic capable of fighting infections which was discovered in first week of January 2015 by scientists from Northeastern University in Boston, Massachusetts?
A. Zovirax B. Teixobactin C. Ampicillin D. Penicillin
91. India on 8 January 2015 decided to provide 60 million US dollars Line of Credit (LoC) to a country for its road infrastructure projects and passenger ferry service. Name the country.
A. Maldives B. Guyana C. Nigeria D. Myanmar
92. Indian Immunologicals Limited on 8 January 2015 launched India's first vaccine to counter the deadly bluetongue disease. Name the vaccine?
A. Vibriovax B. Ultravac Botulinum C. Cattleavax LC D. Raksha Blu
93. Which Indian bank on 7 January 2015 launched contactless credit cards and debit cards?
A. HDFC Bank B. ICICI Bank C. Axis Bank D. Citibank
94. Pakistan government in the first week of January 2015 decided to restrict the Pakistan- India Dosti bus service up to Wagah border. In this context, consider the following statements.
I. For the first time the bus services on Delhi – Lahore route was suspended in the aftermath of the Indian Parliament attack in 2001
II. The bus service between Delhi and Lahore was started in February 1999 by the then Prime

Minister of India Atal Bihari Vajpayee and Prime Minister of Pakistan Benazir Bhutto. Which is/are correct?

A. I Only B. II Only C. Both I and II D. Neither I nor II

95. What is AMCA that was in news in the first week of January 2015?

A. It is Advanced Medium Combat Aircraft being built by India and Russia jointly

B. It is fifth generation fighter aircraft being built by India indigenously

C. It is fifth generation nuclear submarine being built by India and France jointly

D. Both (a) and (b)

96. Name the space telescope that on 6 January 2015 discovered 1000th exoplanet in the constellation Lyra.

A. Hubble Space Telescope

B. Chandrasekhar Space Telescope

C. Kepler Space Telescope

D. James Webb Space Telescope

97. China on 7 January 2015 announced to include which vegetable as staple diet?

A. Tomato B. Potato C. Beans D. Cabbage

98. Who was sworn-in as the sixth Governor of Uttarakhand on 8 January 2015?

A. Rameshwar Thakur B. V K Bisht C. K K Paul D. Aziz Qureshi

99. Who was sworn-in as the President of Sri Lanka on 9 January 2015?

A. Mahinda Deshapriya B. Mahinda Rajapaksa C. Gotabhaya Rajapaksa

D. Mithripala Sirisena

100. Which Indian film was nominated for 2015 BAFTA Awards under non-English best film category on 8 January 2015?

A. The Lunchbox

B. Two Days, One Night

C. Liar's Dice

D. Timbuktu