

## ENGLISH LANGUAGE

**Directions (1-6) :** Read each of these sentences to find out whether there is any grammatical error in it. The error, if any, will be in one part of the sentence. Select the number of the part with the error as your answer. If there is no error, select 'No error' as your answer. (Ignore the errors of punctuation, if any)

1. If you had read (A) / the relevant literature carefully (B) / you would have answered (C) / most of the questions correctly. (D)

- (1) B                      (2) C  
(3) D                      (4) A  
(5) No error

2. You may not know it (A) / but this engine is (B) / claimed to have twice (C) / as powerful as the previous one. (D)

- (1) C                      (2) D  
(3) A                      (4) B  
(5) No error

3. If you want to (A) / ensure prompt service (B) / please have contact us (C) / as early as possible. (D)

- (1) B                      (2) D  
(3) C                      (4) A  
(5) No error

4. Just before the demonstration started (A) / the police arrive at the site (B) / as if they had (C) / received invitation. (D)

- (1) C                      (2) D  
(3) B                      (4) A  
(5) No error

5. A group of youngsters (A) / has lend financial assistance (B) / to the flood-affected (C) / people of the villages. (D)

- (1) A                      (2) B  
(3) C                      (4) D  
(5) No error

6. What to make people (A) / tense is actually (B) / a mystery, which (C) / is difficult to unfold. (D)

- (1) B                      (2) C  
(3) A                      (4) D  
(5) No error

**Directions (7-12) :** Which of the phrases (1), (2), (3) and (4) given below each sentence should replace the phrase printed in **bold** in the sentence to make it grammatically correct? If the sentence is correct as it is given and no correction is required, select (5) as the answer.

7. The object of the experimental method in physiology and in medicine **is to study phenomena in order to becoming** their master.

- (1) in order of becoming  
(2) in order to become  
(3) in the wake of  
(4) for the sake of  
(5) No correction required

8. I **restrain myself for fear of** complicating the argument to too great an extent.

- (1) for fear to  
(2) myself of fear of  
(3) me for fear of  
(4) for fearing by  
(5) No correction required

9. **No sooner than he had been elected the CM of UP** his supporters arranged a reception in his honour in circuit house.

- (1) No sooner he was elected the CM of UP than  
(2) No sooner he had elected the CM of UP than  
(3) No had he elected CM of UP than  
(4) No sooner had he been elected the CM of UP than  
(5) No correction required

10. **All this has taken 18 years of tenacious efforts of a handful of social workers and legal academicians who wrote to the supreme court about conditions in the home.**

- (1) All this has taken 18 years of tenacious efforts of  
(2) All this had been taking 18 years of tenacious efforts of  
(3) All this have been taking 18 years of tenacious efforts of  
(4) All this has been taking 18 years of tenacious efforts of  
(5) No correction required

11. **By putting-up a building and to give women** the opportunity of a protected and normal-seeming life after the exploitation what they have been through is only the first step.

- (1) Putting-on with a building and giving the women  
(2) But putting-up with a building and to give women  
(3) But putting-up with building and giving women  
(4) Putting-up a building and giving the women  
(5) No correction required

12. **He is quite a right** in his approach towards solving this issue but the higher management disagrees with him.

- (1) He is quite right  
(2) He is quite alright  
(3) He is quiet right  
(4) He is all quite right  
(5) No correction required

**Directions (13-17) :** Rearrange the given five sentences / group of sentences (A), (B), (C), (D) and (E) in proper sequence as to form a meaningful paragraph and then answer the given questions.

(A) Apart from burnout, many of them are also experiencing symptoms of secondary traumatic stress - the psychological distress people can experience when working with traumatic material and traumatised people.

(B) A recent survey aimed to study the risk of burnout amongst the judges and magistrates has revealed some grim findings.

(C) The levels of this psychological distress (secondary traumatic stress) among the judiciary is significantly higher than that among barristers and other legal workers.

(D) Though all these findings were from the survey conducted only in one country, they are applicable globally because the nature of work is same for judiciary in every country.

(E) The constant high workloads and the harrowing details of serious crimes were the two major causes for this risk of burnout of the surveyed judiciary.

13. Which of the following should be the FOURTH sentence after the rearrangement?

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

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

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

15. Which of the following should be the FIFTH (LAST) sentence after the rearrangement?

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

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

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

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

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

**Directions (1-6) :** In each of these questions three sentences have been given which have been divided in two parts. **Column I (A, B & C)** consists of the first half of each sentence and **Column II (D, E & F)** consists of the second half of each sentence. **Match Column I with Column II so that the sentences formed are both meaningful and grammatically correct.** In the options various combinations are given. Choose the option that consists of the combination (s) of Column I and Column II that form **both meaningful and grammatically correct sentence(s).**

**18. Column-I**

- A. The government is denying that there  
B. The financial performance of our business  
C. This scheme is launched specifically to

**Column-II**

- D. educate people about the voting process.  
E. petrol shortage in metro cities.  
F. is not going to improve anytime soon

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

**19. Column-I**

- A. It is important for everyone to  
B. The company needs someone  
C. Shortly before the air crash pilot reported

**Column-II**

- D. malfunctioning the navigation system.  
E. drinks plenty of water in the summer.  
F. with the ability to manage media effectively.

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

**20. Column-I**

- A. The country's largest toy manufacturer  
B. The president called upon the special  
C. The government is providing free courses

**Column-II**

- D. to helping people learn organic farming.  
E. task force to help police if needed.  
F. is rumoured to be on the brink of bankruptcy.

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

**Directions (21-28) :** Read the following passage carefully and answer the questions given. Certain words have been given in **bold** to help you locate them while answering some of the questions.

Advances in many technology-driven fields are on the cusp of maturity. In a decade, several of them will likely be accepted as part of our everyday lives. Most will be promoted by businesses first, which will then lead to **acceptance** by society at large. While some of them will make life easier, others, *if and when misused, will threaten our very existence*. In the future mobility will be drastically different and everything won't be hi-tech either. As more of the current generation enter the workforce, health- and environment-conscious people will prefer to walk more or use bicycles. Public transport is likely to become more comfortable and reliable too. Also, people might use modes of transport that don't exist today. The hyperloop is a recently proposed system which comprises pods moving rapidly through vacuum tubes. Components of entire future transport networks and even the roads and rails on which they will run will be connected, with large numbers of sensors. This will allow vehicles to communicate with each other and their surrounding in real time.

The field of artificial intelligence (AI) is over 60 years old, but it is only in recent years AI is extensively used in business strategies. Advances in **related** fields such as



computer vision and the Internet-of-Things (IOT) have helped accelerate the development of AI. Experts feel there is no area that will be left untouched by AI, from something as mundane as payments to the more prominent ones that have captured people's imagination are self-driving cars, personalized medicine, new ways of teaching and the combination of AI and robotics. An area that is gaining increasing attention is the combination of AI and robots as applied to care for the elderly. On the flip side, there are fears about how AI could leave humans worse off. A survey found that the concerns ranges from data abuse, job losses to becoming dependent on automated system. Ten years from now, every vendor will have enough information about customers via technologies built into our homes, appliances and smartphones. That means necessities such as groceries will get delivered and payment docked automatically, without having to order them each time.

21. What does the author wants to convey through the phrase "if and when ..... existence." ?

- (1) AI will definitely replace all our jobs and render us jobless.
- (2) AI might help us eradicate or prevent any future natural calamity.
- (3) We have no option but to adopt AI for our survival.
- (4) If misused, AI might do more harm than good to the human race.
- (5) We need to upgrade AI applications continuously to keep these relevant.

22. Which of the following word is SAME as the word RELATED as used in the passage?

- (1) allied
- (2) associated
- (3) complementary
- (4) All the given options
- (5) similar

23. Which of the following is/are feature(s) of future commuting as mentioned in the passage?

- (A) Vehicles will be able to communicate with each other.

- (B) Highly comfortable.  
(C) Low cost.  
(1) Only A and B  
(2) Only A  
(3) Only B  
(4) Only C  
(5) None of A, B and C

24. Which of the following is/are an example(s) of usage of AI in the fields as mentioned in the passage?

- (A) Application that creates subtitles in real time for what the teacher is saying for hearing impaired students.  
(B) Application in e-commerce that helps in fraud detection and unauthorized on-line transaction.  
(C) Old age nursing homes using models of robots to act as conversation companions or humanoid guides.

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

25. Which of the following is/are true as per the given passage?

- (1) Business will not be able to adopt AI until the rest of the society does.
- (2) The field of artificial intelligence has come into existence only in the last decade.
- (3) AI can help us with mundane household chores such as grocery shopping.
- (4) All the given options are true.
- (5) Future modes of transport will be comfortable but not reliable.

26. Which of the following is tone of the passage?

- (1) Cautionary
- (2) Aggressive
- (3) Humorous
- (4) Biased
- (5) Nostalgic

27. According to the author \_\_\_\_\_.

- (1) The current generation is not as health conscious as the past generation.

- (2) We should never introduce AI in the field of medicine and health care.  
(3) In the future, technology will influence how we live, work and entertain ourselves.  
(4) It is impossible for humans to become completely dependent on AI.  
(5) Limitations related to AI applications affect its incorporation in various industries.

28. Which of the following word can REPLACE the word ACCEPTANCE in the passage both grammatically and contextually?

- (1) Afford
- (2) None of the given options
- (3) action
- (4) denial
- (5) favourable

Directions (29-30) : In each question, four sentences are given. Decide which sentence(s) is/are correct with regard to grammar, meaning and usage and select your answer accordingly.

29. (1) Apoorva could not reach office by time due to the traffic jam.  
(2) The dress got damage as he kept a hot press on it long time.  
(3) All are correct  
(4) The door came of as its hinges had become lose.  
(5) The cricket match was delayed due to the massive power failure.

30. (1) He found it easy to teach both Physics and Chemistry as they are cognate subjects.  
(2) As soon as he stepped out of his house, he remembered that he had forget his purse and went back in.  
(3) The police has video-graphic evidence which show the thief stolen the crown  
(4) Getting into the railway company were like a dream come true for him.  
(5) It took nine fire engines and six longer hours douse the fire.

## QUANTITATIVE APTITUDE

31. Sima has Rs.  $x$ , 60% of which she keeps aside for a vacation and the remaining she distributes between her brothers (A and B) in the respective ratio of 2 : 3. If the difference between the amount received by A and the amount Sima kept aside for vacation is Rs. 17600, what is the value of  $x$ ?
- (1) 40000      (2) 60000  
(3) 42000      (4) 80000  
(5) 36000

**Directions (32-36) :** What approximate value will come in place of question mark (?) in the given questions? (You are not expected to calculate the exact value).

32.  $(\sqrt{24.01} \times 2 + 252.16) \times 2 = ?$
- (1) 462      (2) 518  
(3) 412      (4) 620  
(5) 580
33.  $319 + 8.02 + \sqrt{82} + ? = 8.023^2$
- (1) 15      (2) 36  
(3) 8      (4) 26  
(5) 2
34.  $51.12 \times 4.01 + 18.03 \times 2.04 - 32.12 = ?$
- (1) 210      (2) 300  
(3) 142      (4) 182  
(5) 224
35.  $359.86 - \sqrt{64.07} = ?\%$  of 469.85
- (1) 70      (2) 50  
(3) 75      (4) 120  
(5) 60
36. 39.98% of 201 + 64.19 =  $?^2$
- (1) 9      (2) 8  
(3) 12      (4) 10  
(5) 16

**Directions (37-40) :** In each of these questions, two equations (I) and (II) are given. You have to solve both the equations and give answer

(1) if  $x > y$       (2) if  $x \geq y$   
(3) if  $x < y$       (4) if  $x \leq y$   
(5) if  $x = y$  or relationship between  $x$  and  $y$  cannot be established.

37. I.  $5x^2 - 14x + 8 = 0$   
II.  $4y^2 - 7y + 3 = 0$

38. I.  $(x-4)^2 = 0$   
II.  $y^2 = 64$
39. I.  $x^2 - 8x + 15 = 0$   
II.  $y^2 - 3y + 2 = 0$
40. I.  $6x^2 + 15x + 1 = 0$   
II.  $6y^2 + 7y + 2 = 0$
41. In 2010, 60% of total number of students in a class (Y) were girls. In 2015 in class (Y), the number of girls grew by 5% and that of boys by 40 respectively, from 2010, as a result of which the respective ratio between the number of girls and boys in the class (Y) became 21 : 20. How many students (boys + girls) were in class (Y) in 2010?
- (1) 250      (2) 240  
(3) 300      (4) 200  
(5) 360

42. Rs. P is invested in scheme A (compound interest at the rate of 10% p.a. compounded annually) for 2 years and Rs. Q is invested in scheme B (compound interest at the rate of 20% p.a. compounded annually) for 2 years. Interests earned from schemes A and B were Rs. 420 and Rs. 1760 respectively. What is the respective ratio between P and Q?
- (1) 2 : 3  
(2) 1 : 4  
(3) None of those given as options  
(4) Cannot be determined  
(5) 1 : 2

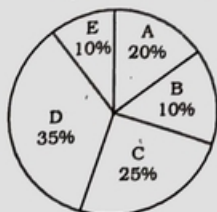
43. To cover D km. downstream, boat A takes 1 hour 40 minutes and to cover D km. upstream boat B takes 3 hours 45 minutes. If the speed of boat A (in still water) is 9 kmph more than that of boat B, what is the speed of boat B in still water (speed of current being 3 kmph—constant for both boats)?
- (1) 24 kmph      (2) 27 kmph  
(3) None of those given as options  
(4) 15 kmph  
(5) 18 kmph

44.  $\frac{1}{6}$ th of the content of a jar containing mixture of milk and water is taken out. The jar had initially 180 litres of milk. The quantity of milk in the remaining mixture in the jar is 100 litres more than water. What was the initial quantity of water in the jar?
- (1) 50 litres  
(2) 40 litres  
(3) 60 litres  
(4) None of those given as options  
(5) Cannot be determined

**Directions (45-50) :** Refer to the pie chart and answer the given questions.

The following pie-chart refers to the distribution of total number of buyers (male + female) in five different shops (A, B, C, D and E) in the month of July.

Total Number of Buyers in Five Shops in July = 480



45. The number of male buyers in shop C is equal to the number of male buyers in shop D. If the total number of female buyers in both the shops C and D together is 192, what is the number of male buyers in shop C?
- (1) 50      (2) 40  
(3) 36      (4) 48  
(5) 24
46. What is the difference between the number of buyers in shop B and that in shop E?
- (1) 24      (2) 42  
(3) 12      (4) 36  
(5) 48

47. What is the central angle corresponding to number of buyers (male + female) in shop B? (in degree)?

- (1) 64 (2) 48  
(3) 52 (4) 54  
(5) 36

48. In shop A, in December, number of female and male buyers grew by 25% and 50% respectively from that in July. In December, what was the number of male buyers in shop A, if the respective ratio between the number of female and male buyers was 5 : 2?

- (1) 36 (2) 48  
(3) None of those given as options  
(4) 54  
(5) Cannot be determined

49. What is the average number of buyers (male + female) in shops C, D and E?

- (1) 108 (2) 112  
(3) 104 (4) 106  
(5) 124

50.  $\frac{3}{4}$  th of the number of buyers in shop E are females, what is the number of male buyers in shop E?

- (1) 24 (2) 16  
(3) 18 (4) 12  
(5) 36

51. Bina is as many years younger to Abhi, as she is older to Chia. Abhi's age 4 years hence will be equal to Chia's age 12 years hence. Bina is how many years younger to Abhi?

- (1) 8 (2) 6  
(3) 2 (4) 3  
(5) 4

52. The base (9cm.) and the height of a right angled triangle (T) are equal to the breadth and the length of a rectangle (R) respectively. If the hypotenuse of the triangle (T) measures 15 cm., what is the area (in square cm.) of the rectangle (R)?

- (1) 124 (2) 112  
(3) 116 (4) 54  
(5) 108

**Directions (53-57) :** Study the following information carefully and answer the given questions.

Following data refers to total 2000 people who visited a Mall on Saturday, for either of the three following activities : Movies, Dine-out and Shopping. A person may engage in one or more than one activity.

60% of total number of people dined out and 54% of the total number of people went for shopping (out of which 500 went for only shopping). Number of people who went for only movies was half of that who went for both movies and dine out (but not shopping); and those who went for all activities are equal to those who went for both shopping and dine-out (but not movies). 100 people went for both shopping and movies (but not dine out).

53. What is the difference between number of people who went for only movies and that for only dine out?

- (1) 120 (2) 160  
(3) 150 (4) 180  
(5) 140

54. What is the number of people who went for only dine out?

- (1) 350 (2) 360  
(3) 320 (4) 400  
(5) 480

55. What per cent of the total number of people went for only shopping?

- (1) 35 (2) 20  
(3) 30 (4) 25  
(5) 15

56. What is the number of people who went for all the three activities?

- (1) 148 (2) 200  
(3) 120 (4) 160  
(5) 240

57. What is the respective ratio between the number of people who went for both movies and shopping (but not dine out)

and that who went for both movies and dine out (but not shopping)?

- (1) 1 : 4 (2) 1 : 5  
(3) 2 : 3 (4) 3 : 4  
(5) 1 : 2

58. Ram bought two items-A and B. The cost price of item B was 12% more than that of item A. Ram sold each of the items at 25% profit. If the difference between the profits earned from both the items was Rs. 6, what was the cost price (in Rs.) of item A?

- (1) 360 (2) 240  
(3) 250 (4) 200  
(5) 220

59. There are six consecutive positive even numbers. The sum of average of first three consecutive numbers and that of the next three consecutive numbers is 62. What is the sum of the first three consecutive numbers?

- (1) 84 (2) 94  
(3) 86 (4) 92  
(5) 90

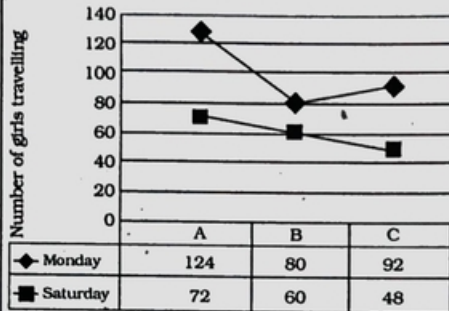


**Directions (60-65) :** Refer to the graph and table and answer the given questions.

The following table depicts the numbers of students (boys + girls) who travelled in various buses (A, B and C) on Monday and on Saturday to a museum.

	Bus A	Bus B	Bus C
Number of students (boys + girls) travelling on Monday	180	320	200
Number of students (boys + girls) travelling on Saturday	124	150	90

The following graph depicts the number of girls (out of total number of students) who travelled in various buses (A, B and C) on Monday and on Saturday to a museum



60. On Saturday what is the respective ratio between the number of boys travelling in bus A and number of students (boys + girls) travelling in the same bus ?

(1) 14 : 23      (2) 13 : 43  
(3) 13 : 45      (4) 13 : 31  
(5) 14 : 31

61. What is the difference between the total number of students travelling in all the given buses together on Monday and that travelling in all the buses together on Saturday ?

(1) 348            (2) 336  
(3) 324            (4) 326  
(5) 332

62. On Monday, total number of girls travelling in buses B and C together is what per cent of

the number of students (boys + girls) travelling in bus C on Monday ?

(1) 62            (2) 52  
(3) 86            (4) 60  
(5) 54

63. Total number of boys travelling in buses A and B together on Monday are **approximately** what per cent more than that of girls travelling in the same buses together on Monday ?

(1) 45            (2) 53  
(3) 40            (4) 35  
(5) 49

64. On Wednesday, the number of students (boys + girls) travelling in bus B was 24% more than that travelling on Saturday in the same bus. What is the number of students (boys

+ girls) travelling in bus C on Wednesday ?

(1) 182            (2) 176  
(3) 186            (4) 192  
(5) 172

65. What is the average number of boys travelling in bus C on Monday and Saturday ?

(1) 90            (2) 75  
(3) 85            (4) 65  
(5) 60

## REASONING

66. If only one meaningful English word can be formed using the first, second, sixth and seventh letters from the left of the word **MARGINED** (using each letter only once), then what will be the second letter from the left of the word so formed ?

(1) E  
(2) More than one such words can be formed  
(3) M  
(4) N  
(5) No such word can be formed

**Directions (67-70) :** Study the following information carefully and answer the questions given below :

In a certain code language,

- 'roam around the hills' is coded as 'rmu pa jl ko'
- 'hills on left side' is coded as 'el rf pa nt'
- 'left to roam alone' is coded as 'jl dg el hv'
- 'alone for the journey' is coded as 'bx ko oy dg'

(Note : All codes are two letter codes only)

67. As per the given code language, how is 'hills' coded as ?

(1) mu            (2) nt  
(3) oy            (4) pa  
(5) jl

68. If in the given code language, 'for alone discovery' is coded as 'dg sz oy', then how will 'discovery to journey' be coded in the same code language ?

(1) dg co sz      (2) el ji bx  
(3) bx sz hv      (4) hv bx dg  
(5) sz hv el

69. As per the given code language, \_\_\_\_\_ may be coded as 'el ko'.

- (1) the left
- (2) to the
- (3) round alone
- (4) alone roam
- (5) left around

70. In the given code language, how is 'stde' coded as ?

- (1) mu
- (2) either 'nt' or 'rf'
- (3) either 'el' or 'pa'
- (4) dg
- (5) pa

**Directions (71-75) :** Study the following information carefully and answer the questions given below :

Six people - D, F, L, N, R and S - were born on six different days of the same week starting from Monday and ending on Saturday but not necessarily in the same order. Each one of them has a different number of books. It is assumed that no person other than those mentioned was born in the said week.

R was born after Wednesday but not on Friday. Only two people were born between R and the one who has 40 books. As many people were born after S as before the one who has 40 books. No one was born between S and N. Only two people were born between N and the one who has 35 books. R does not have 35 books. Only one person was born between the one who has 35 books and the one who has 53 books. D has odd number of books. L has 10 more books than D. F has 13 more books than R. One of the given people has 58 books.

71. Who was born on Wednesday ?

- (1) The one who has 53 books
- (2) F
- (3) N
- (4) R
- (5) The one who has 58 books

72. How many books do L and N together have ?

- (1) 65
- (2) 93
- (3) 80
- (4) 103
- (5) 75

73. As per the given arrangement, the one who was born on Saturday has \_\_\_\_\_ books.

- (1) 53
- (2) 40
- (3) 27
- (4) 25
- (5) 35

74. How many people were born before the one who has 53 books ?

- (1) Three
- (2) Two
- (3) More than three
- (4) None
- (5) One

75. As per the given arrangement, D is related to the one who has 40 books in the same way as S is related to the one who has 58 books following a certain pattern. Following the same pattern, \_\_\_\_\_ is related to the one who has 53 books.

- (1) L
- (2) None of the given options
- (3) R
- (4) N
- (5) F

**Directions (76-80) :** Study the following information carefully and answer the questions given below :

Eight people are sitting in a straight line. Some of them are facing north and some are facing south. B is sitting second from one of the extreme ends of the line. E sits fourth to the right of B. Only two people sit between E and H. Immediate neighbours of H face opposite directions. A sits to the immediate left of D. A is neither an immediate neighbour of E nor H. D and A face opposite directions. People sitting at the extreme ends of the line face the same direction. F sits fourth to the left of C. G sits at one of the positions to the left of both H and E. E faces north.

76. Who is sitting second to the left of H ?

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

77. Who amongst the following is an immediate neighbour of D ?

- (1) C
- (2) E
- (3) F
- (4) B
- (5) G

78. How many people are sitting between G and B ?

- (1) More than three
- (2) None
- (3) Three
- (4) Two
- (5) One

79. Which of the following statements is true with respect to the given information ?

- (1) Only two people sit between B and C
- (2) None of the given statements is true
- (3) A faces south
- (4) D sits at one of the extreme ends of the line
- (5) F and H face the same direction

80. Four of the following five are alike in a certain way based on their directions as per the given arrangement and so they form a group. Which one of them does not belong to the group ?

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

81. Four of the following five are alike in a certain way based on their positions in the English alphabetical order and hence they form a group. Which one of the following does not belong to the group ?

- (1) JHN
- (2) PRZ
- (3) IGM
- (4) ECI
- (5) USY

**Directions (82-85) :** In each of the following questions, three statements followed by two Conclusions I and II have been given. You have to take the given statements to be true even if they seem to be at variance from the commonly known facts and then decide which of the given Conclusions logically follows from the given statements.

**Give answer (1)** if only Conclusion I follows

**Give answer (2)** if only Conclusion II follows

**Give answer (3)** if either Conclusion I or Conclusion II follows

**Give answer (4)** if neither Conclusion I nor Conclusion II follows

**Give answer (5)** if both the Conclusion I and Conclusion II follow.

**82. Statements :**

- All watches are rings.  
Only a few rings are carrots.  
Only a few carrots are phones.

**Conclusions :**

- I. No ring is a phone.  
II. All watches can never be carrots.

**83. Statements :**

- No test is a paper.  
Only a few papers are registers.  
No register is a book.

**Conclusions :**

- I. All tests being registers is a possibility.  
II. No paper is a book.

**84. Statements :**

- Only a few breads are juices.  
Only a few juices are toasters.  
All toasters are pans.

**Conclusions :**

- I. All breads being toasters is a possibility.  
II. Atleast some juices are pans.

**85. Statements :**

- Only a few wires are loops.  
All loops are circles.  
No circle is a rectangle.

**Conclusions :**

- I. Atleast some wires are circles.  
II. All wires can never be rectangles.

**Directions (86-88) :** Study the following information carefully and answer the questions given below :

There are three floors in a building such that the ground floor is numbered one, the one above that is numbered two and the topmost floor of the building is numbered three. On each floor there are two flats viz. flat A and flat B such that flat B is exactly to the east of flat A. Also flat A of floor number one is immediately below flat A of floor number two. Similarly, flat B of floor number two is immediately below flat B of floor number three. Only one person lives in each flat. Thus, only two people live on each

floor. Q lives on an even numbered floor. No one lives between the floors on which Q and T live. No one lives to the east of T. R lives in a flat immediately above S. No one lives to the west of S. R does not live on the same floor on which Q lives. P lives on one of the floors below U.

**86.** Which of the following represents the floor number and the flat in which U lives ?

- (1) Floor number 3, Flat B  
(2) Floor number 2, Flat B  
(3) None of those given as options  
(4) Floor number 3, Flat A  
(5) Floor number 2, Flat A

**87.** Which of the following statements is true as per the given information ?

- (i) R lives in 'a flat exactly to the west of U.  
(ii) There is only one floor between the floors on which U and T lives.  
(iii) S lives on the same floor on which T lives.

- (1) Only (i)  
(2) Only (iii)  
(3) All (i), (ii) and (iii)  
(4) Both (i) and (ii)  
(5) Both (ii) and (iii)

**88.** Who amongst the following lives in flat B on floor number one ?

- (1) The one who lives in a flat exactly to the west T  
(2) U  
(3) P  
(4) The one who lives in a flat immediately below U  
(5) T

**Directions (89-91) :** Study the following information carefully and answer the questions given below :

Each of the six bags viz. A, B, C, D, E and F is of a different weight. B is heavier than E but lighter than both F and C. C is lighter than D. D is not the heaviest. E is not the lightest. The weight of second lightest bag is 5 kgs. D weighs 21 kgs.

**(Note :** All the given weights are in whole numbers only)

**89.** With respect to the weights of the given bags if  $F + E = 29$  kgs and  $F + B = 34$  kgs, then  $B + D =$  \_\_\_\_\_ ?

- (1) 45 kgs (2) 15 kgs  
(3) Cannot be determined  
(4) 31 kgs  
(5) 26 kgs

**90.** Which is the third heaviest bag ?

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

**91.** What is the probable weight of bag C (in kgs) ?

- (1) 4  
(2) Either 2 or 3  
(3) 15  
(4) 24  
(5) Either 22 or 25

**92.** How many such pairs of LETTERS are there in the word NATIONALS each of which has as many letters between them in the word (in both forward and backward directions) as they have between them in the English alphabetical order ?

- (1) One (2) Four  
(3) Two  
(4) More than four  
(5) Three

**Directions (93-95) :** Study the following information carefully and answer the questions given below :

Point G is 17m to the north of Point H. Point G is 4m to the east of Point J. Point K is 25m to the south of Point J. Point K is 12m to the west of Point L. Point M is 8m to the north of Point L.

**93.** How far and in which direction is point M with respect to point H ?

- (1) 23m towards South  
(2) 8m towards East  
(3) 25m towards West  
(4) 12m towards East  
(5) 8m towards West

**94.** If Point Z is 8m to the west of Point L, then which of the following points will form a straight line ?

- (1) ZKM (2) HZM  
(3) ZLG (4) GHZ  
(5) JHZ



95. In which direction is Point G with respect to Point L ?

- (1) North-West (2) South-East  
(3) South (4) North-East  
(5) North

**Directions (96–100) :** Study

the following information carefully and answer the questions given below :

Ten boxes are kept above one another in a stack. Only three boxes are kept between A and S. Q is kept immediately below S. Only two boxes are kept between S and M. S is kept at one of the positions above M. Only one box is kept between M and B. Only one box is kept below B. C is kept immediately above K but not at the topmost position. R is kept at one of the positions above W but below G.

96. As per the given arrangement, four of the following five are alike in a certain way and hence they form a group. Which one of the following does not belong to the group ?

- (1) SG (2) MW  
(3) CA (4) KR  
(5) BR

97. As per the given arrangement, as many boxes are kept above G as below \_\_\_\_\_.

- (1) C (2) W  
(3) M (4) R  
(5) Q

98. Which boxes is/are kept exactly between R and A ?

- (1) Only M  
(2) Both B and W  
(3) Only C  
(4) Both S and Q  
(5) Only B

99. Which box is kept third from the top of the stack ?

- (1) A (2) C  
(3) R (4) G  
(5) K

100. How many boxes are kept between B and W ?

- (1) Five (2) Four  
(3) Three (4) None  
(5) Two