







31. Who was the captain of U-19 Indian team that won the U-19 cricket world cup concluded recently in Kuala Lumpur?  
 (1) Vira Kohli (2) Ajitesh Argal  
 (3) Sreevats Goswami (4) Ravindra Jadeja  
 (5) Ajeet Narayan
32. India won the U-19 cricket world cup, 2008 by beating \_\_\_\_\_ in the final.  
 (1) Pakistan (2) Sri Lanka  
 (3) South Africa (4) Australia  
 (5) England
33. Who won the Johnie Walker classic golf tournament in Gurgaon on March 2, 2008?  
 (1) Shiv Kapur (2) Jyoti Randhawa  
 (3) Vijay Singh (4) Mark Brown  
 (5) Tiger Wods
34. Who was the man of match of the second final played in Brisbane on March 4, 2008, between Australia and India?  
 (1) M.S. Dhoni  
 (3) Pravin Kumar  
 (5) Yuvraj Singh
35. With the victory \_\_\_\_\_ Sydney and Brisbane series win in Australia.  
 (1) First time  
 (3) Third time  
 (5) Fifth time
36. Who was adjudged \_\_\_\_\_ triangular series recently concluded in Australia?  
 (1) Brett Lee (2) Nathan Bracken  
 (3) Ishant Sharma (4) Gautam Gambhir  
 (5) Ricky Ponting
37. Who was the leading run-getter on the either side in the Commonwealth Bank triangular series?  
 (1) Sachin Tendulkar (2) Mathew Hayden  
 (3) Gautam Gambhir (4) Adam Gilchrist  
 (5) Michel Hassy
38. Jose Ramos Horta who was recently injured in a predawn attack on his home by fugitive members of the country's armed forces is \_\_\_\_\_.  
 (1) Prime Minister of Kosovo  
 (2) President of Serbia  
 (3) Prime Minister of East Timor  
 (4) President of East Timor  
 (5) None of these
39. Jens Stoltenberg who was on a state-visit to India in March, 2008 is \_\_\_\_\_.  
 (1) Prime Minister of Canada  
 (2) Prime Minister of Norway  
 (3) Prime Minister of Denmark  
 (4) President of Greece  
 (5) President of Japan
40. Amaresh Bachi who died on February 20, 2007 was a renowned \_\_\_\_\_.  
 (1) Educationist  
 (2) Economist  
 (3) Scientist  
 (4) Novelist  
 (5) None of these

## GENERAL ENGLISH

### Directions for Questions 41 to 50:

Read the passage and answer the questions in the passage have them while answering

of his transistor radio breakfast tray almost window, lit another in the d out at the snow-en- ing spring had not yet

and with great venom, following up with other strong nouns and epithets that expressed his feeling towards the French President, his Government and the Action Service.

Rodin was unlike his predecessor in almost every way. Tall and spare, with a cadaverous face hollowed by the hatred within, he usually masked his emotions with an un-Latin **frigidity**. For him there had been no Ecole Polytechnic to open doors to promotion. The son of a cobbler, he had escaped to England by fishing boat in the halcyon days of his late teens when the Germans overran France, and had enlisted as a private soldier under the banner of the Cross of Lorraine.

Promotion through sergeant to warrant officer had come the hard way, in bloody battles across the face on North Africa under Koenig and later through the hedgerows of Normandy with Leclerc. A field commission during the fight for Paris had got him the officer's chevrons his education and breeding could never have obtained and in post-war France the choice had been between reverting to civillian life or staying in the Army.

But revert to what? He had no trade but that of cobbler which his father had taught him, and he found the working class of his native country dominated by Communists, who had also taken over the Resistance and the Free French of the Interior. So he stayed in the Army, later to experience the bitterness of an **officer from the ranks** who saw a new young generation of educated boys graduating from the officer schools, earning the theoretical lessons carried out in classrooms the same chevrons he had sweated blood for. As he wanted them pass him in tank and privilege the bitterness started to set in.

There was only one thing left to do, and that was join one of the colonial regiments, the tough crack soliders who did the fighting while the **conscript** army paraded round drill squares. He managed a transfer to the colonial paratroops. Within a year he had been a company commander in Indo-China, living among other men who spoke and thought as he did. For a young man from a cobbler's bench, promotion could still be obtained through combat, and more combat. By the end of the Indo-China campaign he was a major and after an unhappy and frustrating year in France he was sent to Algeria. The French withdrawal from Indo-China in the year he spent in France had turned his latent bitterness into a consuming loathing of politicians and Communists, whom he regarded as one and the same thing. Not until Franco was ruled by a soldier could she ever be weaned away from the grip of the traitors and **lickspittles**, who permeated her public life. Only in the Army were both breeds extinct.

Like most combat officers who had seen their men die and occasionally buried the hideously mutilated bodies of those unlucky enough to be taken alive. Rodin worshipped soldiers as the true salt of the earth, the men who sacrificed themselves in blood so that the bourgeoisie could live at home in comfort. To learn from the civilians of native land after eight years of combat in the forests of Indo-China that most of **them Cared not a fig** for the soldiery, to read the **denunciations** of the military by the left-wing intellectuals for more trifles like the torturing of prisoners to obtain vital information, had set off inside March Rodin a reaction which combined with the native bitterness stemming from his own lack of opportunity, had turned into zealotry.

He remained convinced that given enough backing by the civil authorities on the spot and the Government and people back home, Army could have beaten the Viet-Minh. The cession of Indo-China had been a massive betrayal of the thousands of fine young men who had died there seemingly for nothing. For Rodin there would be, could be, no more betrayals. Algeria would prove it. He left the shore of Marseilles in the spring of 1956 as never a happy man as he would ever be, convinced that the distant hills of Algeria would see the consummation of what he regarded as his life's work, the apotheosis of the French Army in the eyes of the world.

41. What was the period when Rodin escaped to England?
  - (1) First half of the late arriving spring
  - (2) The time when Germany occupied France
  - (3) The period when Cross of Lorraine was disbanded
  - (4) When Rodin was a child cobblers work
  - (5) None of these
42. Which of the following best described the phrase **\_\_\_\_\_ cared not a fig \_\_\_\_\_** as used in the passage?
  - (1) Only A
  - (2) Only A and B
  - (3) Only C
  - (4) Only B
  - (5) Only B and C
43. Which factors made Rodin stay in the Army?
  - (A) He did not have any big business in civil life
  - (B) The parent country had Communist domination
  - (C) He wanted to experience the bitterness of officer rank
  - (1) Only A
  - (2) Only A and B
  - (3) Only C
  - (4) Only B
  - (5) Only B and C
44. According to the passage, who resisted the dominance of Communists?
  - (1) The native of Viet Mihn
  - (2) The freedom loving citizens of Algeria
  - (3) The Marc Rodin
  - (4) The people of France
  - (5) None of these
45. Which of the following best described the meaning of the phrases **officer from the ranks** as used in the passage?
  - (1) The person who has all essential academic qualifications and experience required to become
  - (2) The person who grows in the organization from lowest hierarchical position
  - (3) An officer who is given a rank of an officer to perform a specific task
  - (4) The person who struggle hard but fails to obtain a rank
  - (5) None of these
46. What favourable situations did Rodin find in Indo-Chian campaign?
  - (1) He could attain his lost seniority
  - (2) He could manage his desired posting to Algeria
  - (3) The people around him were of the same nature as he was
  - (4) He attained the rank of Major in the Army
  - (5) None of these

47. What option did Robin choose in post war France situation?  
 (1) He joined an officer's school for Army  
 (2) He monitored the army parade in drill squares  
 (3) He joined a colonial  
 (4) He preferred a cobbler's bench  
 (5) None of these
48. Why the Army could not overpower Viet-Minh?  
 (1) The competing army Ignored the local civil authority  
 (2) The Government lacked political will to support army operation  
 (3) The built-in hate of the commandor did not percolate at the soldier level  
 (4) The conviction held by the army chief proved to be false  
 (5) None of these
49. What were the outcome of battles in Indo-China?  
 (1) It removed the in-built hatred in Rodin  
 (2) It did not achieve the objectives for which it had been fought  
 (3) The French Army betraye Rodin  
 (4) Rodin regarded it as his life's achievement  
 (5) None of these
50. Which of the following statements is **TRUE** in the context of the passage?  
 (1) Marc Rodin was a qualified officer from Ecole Polytechnic  
 (2) Unlike his predecessor, the achievements in the army for Rodin were easy  
 (3) Rodin believed that only people who are worth their salt are soldiers  
 (4) Rodin's father did not teach him the trade of a cobbler  
 (5) None of these

#### Directions of for Questions 51 to 53:

Choose the word which has most nearly the **SAME** meaning as the word printed in **bold** as used in the passage.

51. Chevrons  
 (1) Colours (2) Badges  
 (3) Skills (4) Crowns  
 (5) Ranks
52. Conscript  
 (1) Commissioned (2) Secret  
 (3) Detailed (4) Compulsive  
 (5) Registered

53. Lickspittles  
 (1) Spoons (2) Approvers  
 (3) Sycophant (4) Witnesses  
 (5) Sincere

#### Direction for Questions 54 - 55:

Choose the word which is **MOST OPPOSITE** in meaning to the word printed in **bold** as used in the passage

54. Frigidity  
 (1) Warmth (2) Heat  
 (3) Embrace (4) Negative  
 (5) Calm
55. Denuciations  
 (1) Enrolment (2) Greeting  
 (3) Rejections (4) Honouring  
 (5) Acceptance

#### Directions for Questions 56 to 60 :

In each question, a sentence with two words/groups of words printed in bold type are give. One of them or both may have certain error. You have to find out the correct word or group of words from among the three choices A, B or C given below each sentence which can replace the wrong word/group of words, if any, and makes the sentence grammatically correct. If the sentence is correct as it is, mark (5) i.e. 'No Correction Required' as your answer.

56. Aerobics are found to be of **extreme hlepful** to diabetes patients  
 (A) Extremely helpful  
 (B) Of extreme hlep  
 (C) Of extremely helpful  
 (1) A only (2) B only  
 (3) C only (4) Either A or B  
 (5) No Correction Required
57. Our **emphasis** is also on the quality of the produce but not on its appearance alone.  
 (A) Emphasizing \_\_\_\_\_ and  
 (B) Emphasis \_\_\_\_\_ and  
 (C) Emphasis \_\_\_\_\_ and  
 (1) A only (2) B only  
 (3) C only (4) None  
 (5) No Correction Required

58. Investors have been receiving better services from Insurance Companies.  
 (A) Demanding \_\_\_\_\_ by  
 (B) Received \_\_\_\_\_ from  
 (C) Received \_\_\_\_\_ by  
 (1) A only (2) B only  
 (3) C only (4) Either A or C  
 (5) No Correction Required
59. Our insistence had **duly impact** on their decision-making processes.  
 (A) Due impact \_\_\_\_\_ their  
 (B) Duly impacted \_\_\_\_\_ their  
 (C) Due impacting \_\_\_\_\_ them  
 (1) A only (2) B only  
 (3) C only (4) None  
 (5) No Correction Required
60. Before the doctor **comes**, the patient **had beend** escaped from the ward.  
 (A) Reached \_\_\_\_\_ has  
 (B) Came \_\_\_\_\_ had  
 (C) Arrived \_\_\_\_\_ had been  
 (1) A only (2) B only  
 (3) C only (4) Either A or B  
 (5) No Correction Required
61. In guest rooms, the central portion **is generally reserved** for sofa set.  
 (1) Generally is reserved  
 (2) Is reserved generally  
 (3) Was generally reserved  
 (4) Are generally reserved  
 (5) No correction required
62. The impact of the composite bow on warfare was equal to the crossbow of medieval times.  
 (1) Was equal to of the  
 (2) Is equal to the  
 (3) Is equal to that  
 (4) Was equal to that of the  
 (5) No correction required
63. Culture, climate and geography plays an important part in the formation of any proverb.  
 (1) Plays an important role  
 (2) Plays a important part  
 (3) Play an important role  
 (4) Play a important part  
 (5) No correction required
64. This book will be of particular interested to those fascinated by the recent philsophy.  
 (1) Of particularly interested  
 (2) Of particular interest  
 (3) Of interested in particular  
 (4) Particularly of Interested  
 (5) No correction required
65. These days developed countries have started **looking down** for underdeveloped countries as it is advantageous for both the parties.  
 (1) Looking after (2) Looking down upon  
 (3) To look down at  
 (4) Looking for at  
 (5) No correction required
66. The methods **to adopt for eradication** of poverty should depend upon the magnitude and nature of resources available.  
 (1) To adopt for eradicating  
 (2) To be adopted for eradication  
 (3) To be adopting to eradicate  
 (4) For adoption of eradication  
 (5) No correction required
67. In the production of desert trees, Nature **seems sometimes to have been experimenting** with the truly strange  
 (1) Seemto have been sometimes experimenting  
 (2) Seems sometimes to have been experimented  
 (3) Sometimes seen to be experimented  
 (4) Sometimes seem to have experimented  
 (5) No correction required
68. In the first round, the participants played in the presence of an accomplice who **was committed** deliberate errors  
 (1) Committed deliberate  
 (2) Was to be committed deliberte  
 (3) Had committed deliberately  
 (4) Committed deliberately  
 (5) No correction required

69. **What idd prevent from winning the battle** is not known  
 (1) What prevented them to win  
 (2) What prevents them from winning  
 (3) What prevented them form winning  
 (4) What prevented their winning  
 (5) No correction required
70. The scenario was identical to the one that **was to be observed** in the previous tournament.  
 (1) Was observing  
 (2) Had been observing  
 (3) Was observed  
 (4) Was to observe  
 (5) No correction required
- (D) Today's city, thus, is essentially still a place where specialists live and work.  
 (E) Thus, an increasing number of people were relieved of agricultural chores and able to gather in cities to practise specialities.  
 (F) However, they conceived and built the elevated irrigation canal.
76. Which of the following will be the **FOURTH** sentence after rearrangement?  
 (1)A (2)B  
 (3)C (4)D  
 (5)E
77. Which of the following will be the **FIFTH** sentence after rearrangement?  
 (1)A (2)B  
 (3)C (4)D  
 (5)E

### Direction for Questions 71 to 75:

In each question below a sentence with four words printed in bold type is given. These are numbered as (1), (2), (3) and (4). One of these four **boldly** printed words may be either **wrongly spelt** or **inappropriate** in the context of the sentence. Find out the word which is wrongly spelt or inappropriate, if any. The number of that word is your answer. If all the boldly printed words are correctly spelt and also appropriate in the context of the sentence, mark (5) i.e., 'All Correct' as your answer.

71. The **questionnaire**/(1) **reflected**/(2) various **phenomena**(3)/that are **sparingly** (4)/experienced. All correct/(5)
72. **Contrary**/(1) to popular **belief**,(2)/ripe fruits are **not necessarily** (3)/**delicious**. (4) All Correct (5).
73. The most **ambitious** (1)/**enterprise**(2)/undertaken in the **ancient** (3)/Egypt was of the **construction** (4)/of pyramids. All Correct (5)
74. The **astronomical** (1)/**calculations** (2)/were **admiringly** (3)/**accurate**. (4) All Correct (5)
75. Looking inward from the top of the **rampart**, (1)/ the **sentries** (2)/had a marvellous **panerama** (3)/ **spread** (4)/ before them. All Correct (5)
78. Which of the following will be the **SECOND** sentence after rearrangement?  
 (1)A (2)B  
 (3)C (4)D (5)E
79. Which of the following will be the **SIXTH** (Last) sentence after rearrangement?  
 (1)A (2)B  
 (3)C (4)D (5)E
80. Which of the following will be the **FIRST** sentence after rearrangement?  
 (1)A (2)B  
 (3)C (4)D (5)E

### NUMERICAL ABILITY

### Dirrection for Questions 76 to 80:

Rearrange the following six sentences (A), (B), (C), (D), (E) and (F) in the proper sequence to form a meaningful paragraph; then answer the questions given below them.

- (A) No one knows their names  
 (B) With irrigation systems, farmers were able to raise more food with less labour.  
 (C) The first engineers lived in the middle East, probably around 35000 B.C.
81. Three-fourth of a number is equal to 60% of another number. What is the difference between the numbers?  
 (1) 18 (2) 32  
 (3) 24 (4) Cannot be determined  
 (5) None of these
82. Abhijit invested in three schemes A, B and C the amounts in the ratio of 2:3:4 respectively. If the schemes offered interest @20 p.c.p.a. 16 p.c.p.a and 15 p.c.p.a respectively, what will be the respective ratio of the amounts after one year?  
 (1) 10:8:5 (2) 12:14:15  
 (3) 12:15:22 (4) Cannot be determined  
 (5) None of these

83. A train crosses a 300 metre long platform in 38 seconds while it crosses a signal pole in 18 seconds. What is the speed of the train in kmph?  
 (1) Cannot be determined (2) 72  
 (3) 48 (4) 54  
 (5) None of these
84. If  $2x + 5y = 109$  and  $2x + 5 = y + 12$  then  $y - x = ?$   
 (1) 7 (2) 6  
 (3) 8 (4) 9  
 (5) None of these
85. Four of the following five parts numbered (1), (2), (3), (4) and (5) are exactly equal. The number of the part, which is not equal to the other four parts, is your answer.  
 $45 \times 12 + 60 = 80\% \text{ of } 800 - 40$   
 (1) (2)  
 $= \frac{3}{5} \text{ of } 1200 - 150 = 1260 \div 3 \div 180$   
 (3) (4)  
 $= 8640 \div 16 + 60$   
 (5)
86. Certain number of pieces of an article are to be packed in boxes, such that each box contains 145 pieces. If after packing them in 32 boxes 25 pieces are left out, what was the number of pieces to be packed?  
 (1) 4566 (2) 4655  
 (3) 4465 (4) 4640  
 (5) None of these
87. Which of the following set of fractions is in ascending order?  
 (1)  $\frac{13}{15}, \frac{11}{13}, \frac{7}{8}, \frac{8}{9}$  (2)  $\frac{11}{13}, \frac{13}{15}, \frac{7}{8}, \frac{8}{9}$   
 (3)  $\frac{8}{9}, \frac{7}{8}, \frac{13}{15}, \frac{11}{13}$  (4)  $\frac{7}{8}, \frac{8}{9}, \frac{11}{13}, \frac{13}{15}$   
 (5) None of these
88. 3 Girls and 4 boys are to be seated in a row on 7 chairs in such a way that all the three girls always sit together. In how many different ways can it be done?  
 (1) 720 (2) 576  
 (3) 144 (4) 480  
 (5) None of these
89. In how many different ways can the letters of the word DRASTIC be arranged in such a way that the vowels always come together?  
 (1) 720 (2) 360  
 (3) 1440 (4) 540  
 (5) None of these
90. Area of circle is equal to the area of a rectangle having perimeter of 50 cms, and length more than the breadth by 3 cms. What is the diameter of the circle?  
 (1) 7 cms (2) 21 cms  
 (3) 28 cms (4) 14 cms  
 (5) None of these
- Directions for Questions 91 to 95:**  
 What will come in place of the question mark (?) in following equations?
91.  $\frac{3}{8}$  of  $\frac{4}{7}$  of  $\frac{7}{9}$  of 738 = ?  
 (1) 123 (2) 132  
 (3) 142 (4) 143  
 (5) None of these
92.  $3\frac{2}{5} \times \frac{4}{17} + 1\frac{2}{3} \times \frac{2}{15} = ?$   
 (1)  $2\frac{1}{45}$  (2)  $1\frac{1}{45}$   
 (3)  $1\frac{1}{9}$  (4)  $1\frac{2}{5}$   
 (5) None of these
93.  $135\% \text{ of } 480 + ?\% \text{ of } 320 = 728$   
 (1) 25 (2) 28  
 (3) 125 (4) 115  
 (5) None of these
94.  $\frac{36}{?} = \frac{90}{195}$   
 (1) 76 (2) 72  
 (3) 78 (4) 84  
 (5) None of these
95.  $323.001 \times 15 + ? = 5000.015$   
 (1) 145.014 (2) 155  
 (3) 145 (4) 155.014  
 (5) None of these

**Direction for Questions 96 to 100 :**

What **approximate** value will come in place of the question mark (?) in following equations?

96.  $35\%$  of  $121+85\%$  of  $230.25=?$   
 (1) 225 (2) 230  
 (3) 240 (4) 245  
 (5) 228
97.  $3.2 \times 8.1 + 3185 \div 4.95 = ?$   
 (1) 670 (2) 660  
 (3) 645 (4) 690  
 (5) 685
98.  $2508 \div 15.02 + ? \times 11 = 200$   
 (1) 13 (2) 8  
 (3) 3 (4) 4  
 (5) 6
99.  $42.07 \times 7.998 + (?)^2 = 20^2$   
 (1) 6 (2) 12  
 (3) 32 (4) 64  
 (5) 8
100.  $2375.85 \div 18.01 - 4.525 \times 8.05 = ?$   
 (1) 105 (2) 96  
 (3) 88 (4) 90  
 (5) 112

**Directions 101 to 105:**

What will come in place of question mark (?) in each of the following number series?

101. 445 ? 21 6 2  
 (1) 89 (2) 88  
 (3) 98 (4) 99  
 (5) None of these
102. 11 36 ? 178 364  
 (1) 86 (2) 92  
 (3) 74 (4) 84  
 (5) None of these
103. 8 36 144 504 ?  
 (1) 1512 (2) 1296  
 (3) 1728 (4) 1664  
 (5) None of these
104. 5 6 20 ? 412  
 (1) 92 (2) 85  
 (3) 95 (4) 87  
 (5) None of these

105. 23 36 95 343 ?  
 (1) 1541.5 (2) 1551.5  
 (3) 1561.5 (4) 1543.5  
 (5) None of these

**Directions 106 to 110:**

In each of the following questions two questions I & II are given. You have to solve both the equations and give answer

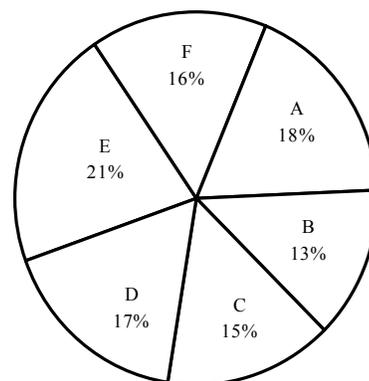
- (1)  $1x > y$  (2) If  $x \leq y$   
 (3) if  $x < y$  (4) if  $x \geq y$   
 (5) if  $x = y$
106. I.  $9x^2 - 36x + 35 = 0$   
 II.  $3y^2 - 16y + 21 = 0$
107. I.  $2x^2 + 3x + 1 = 0$   
 II.  $2y^2 - 7y + 6 = 0$
108. I.  $2x^2 - 17x + 35 = 0$   
 II.  $2y^2 + 13y + 21 = 0$
109. I.  $2x - y = 3$   
 II.  $2y - x = 15$
110. I.  $20x^2 - 9x + 1 = 0$   
 II.  $9y^2 - 9y + 2 = 0$

**Directions 111 to 115 :**

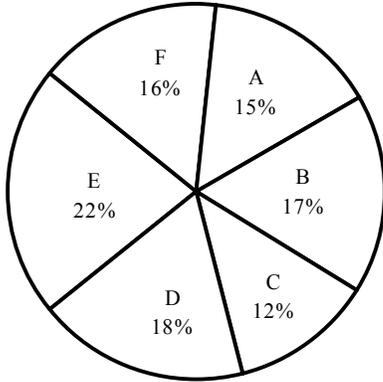
Study the following graphs carefully to answer these questions.

Quantity of various items produced and the amount earned by selling them

**Quantity produced Total = 2000 tons**



Income by selling the products Total = Rs. 45 millions



111. If the expenditure incurred in production of product 'C' per ton was Rs. 16000, what was the per cent profit earned?
- (1) 12.5                      (2) 11.11  
(3) 12.25                      (4) 11.28  
(5) None of these
112. What is the average per ton selling price of all the six products together?
- (1) Rs. 20, 525              (2) Rs. 18, 500  
(3) Rs. 22, 500              (4) Rs. 20, 500  
(5) Rs. 18, 525
113. What is the selling price of product 'A' per ton?
- (1) Rs. 17, 580  
(2) Rs. 18, 570  
(3) Rs. 17, 850  
(4) Rs. 18, 750  
(5) None of these
114. Approximately, what was the average selling price per ton of products D & E together?
- (1) Rs. 21, 800              (2) Rs. 22, 800  
(3) Rs. 22, 000              (4) Rs. 22, 500  
(5) Rs. 23, 500
115. Which product has the highest selling price per ton?
- (1) A                              (2) B  
(3) C                              (4) D  
(5) None of these

#### Directions for Questions 116 to 120:

Study the following table to answer these questions.

#### Number of Officers in various Departments of an Organization in different Scales

| Deptt. Scale | Personnel | Operations | Systems | Accounts | Maintenance | Public Relations |
|--------------|-----------|------------|---------|----------|-------------|------------------|
| I            | 225       | 725        | 750     | 300      | 325         | 175              |
| II           | 120       | 426        | 576     | 288      | 240         | 150              |
| III          | 75        | 250        | 320     | 120      | 85          | 100              |
| IV           | 40        | 126        | 144     | 60       | 30          | 50               |
| V            | 25        | 65         | 70      | 35       | 20          | 35               |
| VI           | 4         | 20         | 28      | 15       | 8           | 5                |

116. What is the ratio between the total number of employees in Scale III and Scale IV respectively?
- (1) 19:9                      (2) 9:19  
(3) 17:9                      (4) 9: 17  
(5) None of these
117. Total number of employees in Scale VI is what per cent of the total number of employees in Scale - I ?
- (1) 2.8                      (2) 2.4  
(3) 3.6                      (4) 3.2  
(5) None of these
118. In Public Relations department the number of employees in Scale II is less than that in Scale I by what percent? (rounded off to two digits after decimal)
- (1) 14.67                      (2) 16.67  
(3) 14.29                      (4) 16.27  
(5) None of these
119. Out of the total number of employees in 'Personnel' department, **approximately** what per cent of employees are in scale II?
- (1) 26.5                      (2) 28  
(3) 28.5                      (4) 27  
(5) None of these

## REASONING

### Directions 121 to 125:

Read the following information carefully and answer the questions given below:

A, B, D, F, G, H and K are seven members of a family. They belong to three generations. There are two married couples belonging to two different generations. D is son of H and is married to K, F is granddaughter of B. G's father is grandfather of A. B's husband is father-in-law of K. H has only one son.

121. How is K related to G?  
 (1) Sister-in-law (2) Sister  
 (3) Niece (4) Data inadequate  
 (5) None of these
122. Which of the following is the pair of married ladies?  
 (1) HK (2) HD  
 (3) KF (4) BF  
 (5) None of these
123. How is F related to G?  
 (1) Son (2) Nephew  
 (3) Niece (4) Data inadequate  
 (5) None of these
124. How many female members are there among them?  
 (1) Two (2) Three  
 (3) Four (4) Data inadequate  
 (5) None of these
125. How is H related to B?  
 (1) Father (2) Father-in-law  
 (3) Uncle (4) Data inadequate  
 (5) None of these

### Directions for Questions 126 to 130:

Study the following arrangement of the English alphabet and answer the following questions:

F J M P O W R N B E Y C K A V L  
 D G X U H Q I S Z T

126. Four of the following five are alike in a certain way based on their position in the above arrangement and hence form a group. Which one does not belong to that group?  
 (1) OMR (2) ECN  
 (3) BRY (4) KYV  
 (5) HXI

127. FMJ : TSZ in the same way as JMP : ?  
 (1) ZIS (2) ISZ  
 (3) SIQ (4) ZSI  
 (5) IZS
128. Which letter is the 10<sup>th</sup> to the right of the letter which is exactly the middle letter between F and D?  
 (1) G (2) D  
 (3) U (4) H  
 (5) None of these
129. Which of the following pairs of letters has as many letters between them in the above arrangement as there are between them in the English alphabet?  
 (1) MR (2) EL  
 (3) LS (4) AI  
 (5) MO
130. If each letter is attached a value equal to its serial number in the above arrangement starting from your left, then what will be the sum of the numbers attached to all the vowels in the arrangement?  
 (1) 73 (2) 50  
 (3) 63 (4) 58  
 (5) None of these

### Directions for questions 131 to 135:

Following is given a set of digits and the corresponding letter code of each digit followed by certain conditions for coding.

Digit : 2 5 7 8 9 4 6 3 1

Letter Code : M R T B W K D N J

In each question one number consisting six digits followed by four combinations of letter codes. You have to find out which of the combination of letter codes represents the set of digits based on the above codes and the conditions given below and mark your answer accordingly. Otherwise give answer (5) i.e. None of these.

#### Conditions :

- (i) If both the first and the last digits of the number are odd digits then both are to be coded as I.  
 (ii) If both the first and last digits of the number are even digits then both are to be coded as Y.
131. 726395  
 (1) IMDNWI (2) YMDNWI  
 (3) TMDNWR (4) IMDNWR  
 (5) None of these

132. 263847  
 (1) IDNBKI (2) YDNBKY  
 (3) IDNBKY (4) MDNBKY  
 (5) None of these
133. 591248  
 (1) IWJMKB (2) RWJMKY  
 (3) YWJMKY (4) RWJMKB  
 (5) None of these
134. 615824  
 (1) IJRBMI (2) IJRBY  
 (3) YJRBY (4) DJRBMK  
 (5) None of these
135. 831795  
 (1) INJTWR (2) BNJTWR  
 (3) BNJTWY (4) YNJYWY  
 (5) None of these

**Directions for questions 136 to 140:**

In each of the questions below there are three statements followed by three conclusions numbered I, II and III. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements.

136. **Statements:**  
 All gogs are birds. Some birds are trees. No house is tree.  
**Conclusions:**  
 I. Some house are dogs.  
 II. Some birds are dogs.  
 III. Some trees are dogs  
 (1) Only I follows (2) Only II follows  
 (3) Only II follows (4) Only II and III follow  
 (5) None of these
137. **Statements :**  
 All goats are tigers. Some tigers are horses. All horses are jackals.  
**Conclusions:**  
 I. Some jackals are tigers  
 II. Some jackals are goats  
 III. Some horses are goats  
 (1) None follows (2) Only I follows  
 (3) Only I and II follow  
 (4) Only II and follow  
 (5) All follow

138. **Statements:**  
 Some pens are tables. All tables are links. Some links are apples.  
**Conclusions:**  
 I. Some apples are pens.  
 II. Some apples are tables.  
 III. Some inks are pens.  
 (1) None follows (2) Only I follows  
 (3) Only II follows (4) Only III follows  
 (5) None of these
139. **Statements:**  
 All fruits are vegetables. All pens are vegetables. All vegetables are rains.  
**Conclusion:**  
 I. All fruits are rains  
 II. All pens are rains  
 III. Some rains are vegetables  
 (1) None follows (2) Only I and II follow  
 (3) Only II and III follow  
 (4) Only I and III follow  
 (5) All follow
140. **Statements:**  
 Some flowers are skies. Some skies are rooms. Some rooms are windows.  
**Conclusions:**  
 I. Some windows are skies  
 II. Some rooms are flowers  
 III. No sky is window  
 (1) Only I follows  
 (2) Only either I or II follows  
 (3) Only either II or III follows  
 (4) Only either I or III follows  
 (5) None of these
141. In a certain code 'GROWTH' is written as HQPVUG and 'FOUR' as GNVQ. How is 'PROBLEMS' written in that code?  
 (1) OQPAMDNR (2) QQNCMDNR  
 (3) QQPAKDNR (4) QQPAMDNR  
 (5) None of these

142. How many such pairs of letters are there in the word 'CHILDREN' each of which has as many letters between them in the word as there are between them in the English alphabet?
- (1) 3 (2) 5  
(3) 4 (4) 2  
(5) None of these
143. Pointing to the lady in the photograph, Seema said, "Her son's father is the son-in-law of my mother". How is Seema related to the lady?
- (1) Sister (2) Mother  
(3) Cousin (4) Aunt  
(5) None of these
144. Four of the following five pairs are alike in a certain way and hence form a group. Which one does not belong to that group?
- (1) DONE : NOED (2) WANT : NATW  
(3) WITH : TIHW (4) JUST : SUJT  
(5) HAVE : AVEH
145. Each of the vowels in the word 'MAGNIFY' is replaced by number '2' and each consonant is replaced by a number which is the serial number of that consonant in the word, i.e. M by 1, G by 3 and so on. What is the total of all the numbers once the replacement is completed?
- (1) 25 (2) 24  
(3) 26 (4) 22  
(5) None of these

### Directions for Questions 146 to 150:

In the following questions, the symbols, @, #, \$, %, \* are used with the following meaning as illustrated below:

- 'P @ Q' means 'P is not greater than Q'  
'P # Q' means 'P is greater than or equal to Q'  
'P \$ Q' means 'P is less than Q'  
'P \* Q' means 'P is neither greater than nor less than Q'

Now in each of the following questions assuming the given statements to be true, find which of the three conclusions I, II and III given below them is/are definitely true?

146. **Statement:**  
B \$ R, R \* N, K @ N
- Conclusions:**  
I. B \* K      II. K % R      III. B # N
- (1) All are true      (2) only I is true  
(3) Only I and II are true  
(4) Only I and III are true  
(5) None of these
147. **Statements:**  
M % R, R # T, T \* N
- Conclusions:**  
I. N % R      II. M % T      III. M \* N
- (1) Nine is true      (2) Only I is true  
(3) only II is true      (4) Only I and III are true  
(5) All are true
148. **Statements:**  
V # T, T % N, N \* M
- Conclusions:**  
I. V % N      II. M \* T      III. V # M
- (1) All are true      (2) Only I is true  
(3) Inly II and III are true  
(4) Only I and II are true  
(5) None of these
149. **Statements:**  
D \$ K, K % W, F @ W
- Conclusions:**  
I. F % K      II. D \* W      III. D \* F
- (1) None is true      (2) Only II is true  
(3) Only II and and III are true  
(4) Only III is true  
(5) All are true
150. **Statements:**  
J @ H, H % M, D # M
- Conclusions:**  
I. J % D      II. D \* H      III. M \* J
- (1) Only land II are true  
(2) Only II and III are true  
(3) Only I and III are true  
(4) All are true  
(5) None of these
151. In a class, among the passed students Neeta is 22nd from the top and Kalyan, who is 5 ranks below Neeta is 34th from the bottom. All the students from the class have appeared for the exam. If the ratio of the students who passed in the exam to those who failed is 4:1 in that class, how many students are there in the class?
- (1) Data inadequate      (2) 60  
(3) 75      (4) 90  
(5) None of these

152. If in a certain code, 'O' is written as 'E', 'A' as 'C', 'M' as 'I', 'S' as 'O', 'N' as 'P', 'E' as 'M', 'I' as 'A', 'P' as 'N', and 'C' as 'S', then how will 'COMPANIES' be written in that code?

- (1) SEIACPAMO (2) SMINCPAMO
- (3) SEINCPAMO (4) SEINCPMIO
- (5) None of these

153. If a meaningful word beginning with B can be formed from 'HACEB', then the fourth letter of that word is your answer. If no such word can be formed then your answer is '5' i.e., 'None of these'.

- (1) A (2) C
- (3) E (4) H
- (5) None of these

154. In a certain code 'what else can you do for me, Mr. Ajay' is written as 'You Mr. what can Ajay else do me for'. How will anyone else who can do such favour to me' be written in that code?

- (1) Can to who anyone me else do favour such
- (2) Can favour anyone who me else do to such
- (3) Can to anyone who me else do such favour
- (4) Can to anyone who me do else favour such
- (5) None of these

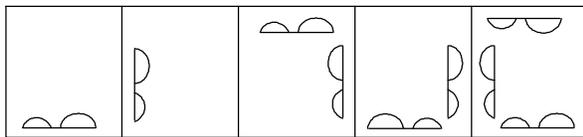
155. B is the husband of P. Q is the only grandson of E, who is wife of D and mother-in-law of P. How is B related to D?

- (1) Cousin (2) Son-in-law
- (3) Son (4) Nephew
- (5) None of these

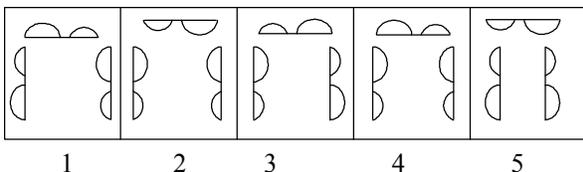
**Directions for Questions 156 to 160:**

There are two sets of figures. One set is called Problem Figures while the other set is called Answer Figures. Problem set figures from some kind of series. You have to select one figure the Answer set figures which will continue the same series as given in Problem set figures.

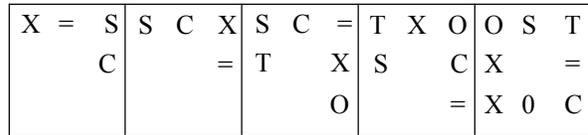
156. **Problem Figures**



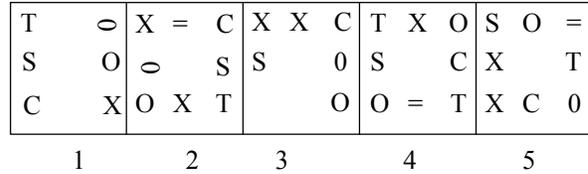
**Answer Figures**



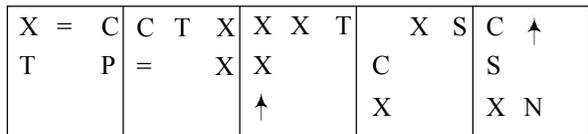
157. **Problem Figures**



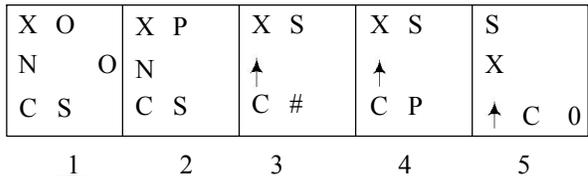
**Answer Figures**



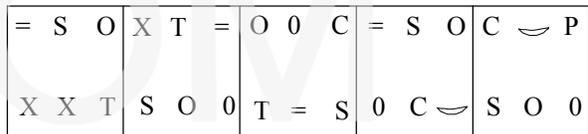
158. **Problem Figures**



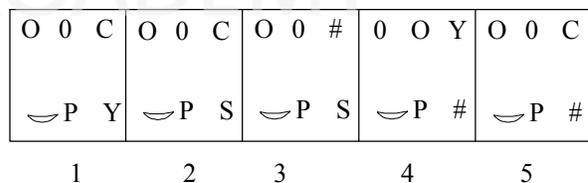
**Answer Figures**



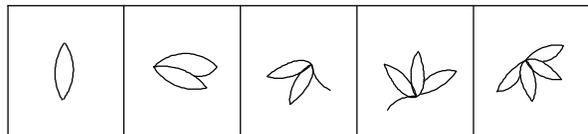
159. **Problem Figures**



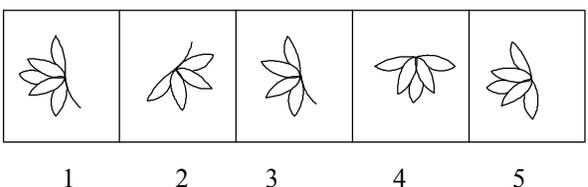
**Answer Figures**



160. **Problem Figures**



**Answer Figures**



**COMPUTER**

161. Which of the following sort-technique does not use divide and conquer methodology?  
 (1) Merge sort (2) Bubble sort  
 (3) Quick sort (4) Both (1) and (2)  
 (5) None of these
162. A technique which collects all defected space onto free storage list is called  
 (1) Static memory allocation  
 (2) Garbage collection  
 (3) Dynamic memory allocation  
 (4) All of the above  
 (5) None of these
163. Node to node delivery of the data unit is the responsibility of the laer.  
 (1) Physical (2) Data link  
 (3) Transport (4) Network  
 (5) None of these
164. Am and FM are examples of modulation  
 (1) Digital-digital  
 (2) Digital to analog  
 (3) Analog to analog  
 (4) Analog to digital  
 (5) None of these
165. What is the major factor that makes co axial cable less susceptible to noise than twisted pair cable?  
 (1) Inner conductor  
 (2) Diameter of Cable  
 (3) Outer conductor  
 (4) Insulating material  
 (5) None of these
166. VLF propagation occurs in  
 (1) Troposphere (2) Ionosphere  
 (3) Space (4) All of the above  
 (5) None of these
167. \_\_\_\_\_ is the concept of sending extra bits for use in error detection.  
 (1) Check (2) Redundancy  
 (3) Checksum fault (4) Detection  
 (5) None of these
168. A data communication system covering an area the size of a town or city is  
 (1) LAN (2) WAN  
 (3) MAN (4) VPN  
 (5) None of these
169. The \_\_\_\_\_ model shows how to network functions of computer to be organised.  
 (1) ITU-T (2) At and T  
 (3) OSI (4) ISO  
 (5) None of these
170. The physical layer is concerned with transmission of \_\_\_\_\_ over the physical medium.  
 (1) Programs (2) Dialogs  
 (3) Protocols (4) Bits  
 (5) None of these
171. Virtual memory system allow the employment of  
 (1) More than address space  
 (2) The full address space  
 (3) More than hard disk capacity  
 (4) Both (1) and (2)  
 (5) None of these
172. A 8 bit microprocessor must have  
 (1) 8 address lines (2) 8 data lines  
 (3) 8 control lines (4) Either (1) or (2)  
 (5) None of these
173. The basic circuit of ECI supports the  
 (1) NAND logic (2) NOR logic  
 (3) EX-OR logic (4) OR - NOR logic  
 (5) None of these
174. In fourth generation computer, the main technology used is  
 (1) Transistor (2) SSI  
 (3) MSI (4) LSI and VLSI  
 (5) None of these
175. In a half-adder, CARRY is obtained by using  
 (1) OR 'gate' (2) N and gate  
 (3) And gate (4) Ex-Nor gate  
 (5) None of these
176. Assembly language programs are written using  
 (1) Hex Code (2) Mnemonics  
 (3) ASCII Code (4) Either (1) or (2)  
 (5) None of these

177. Micro instructions are kept in  
 (1) Main memory (2) Control store  
 (3) Cache (4) Either (1) or (2)  
 (5) None of these
178. The number of input lines required for a 8 to 1 multiplexes is  
 (1) 1 (2) 8  
 (3) 3 (4) 256  
 (5) None of these
179. Link of linked list in C of type  
 (1) Unsigned integer  
 (2) Pointer of interger  
 (3) Pointer of struct  
 (4) Either (1) or (2)  
 (5) None of these
180. In HTML coding which out of the following attribute of HR tag suppresses the shading effect and fields a solid line  
 (1) Noshade (2) Nocolor  
 (3) Nohr (4) Either (1) or (2)  
 (5) None of these
184. The purchase of salt of the same brand comes under  
 (1) Habitual buying behavior  
 (2) Ordinal behaviour  
 (3) Complex buying behaviour  
 (4) Dissonance reducing buying behaviour  
 (5) None of these
185. A situation when there is repetitive or routine basis order given by the buyer to the older suppliers is known as \_\_\_\_\_  
 (1) Modified Rebuy  
 (2) Straight Rebuy  
 (3) Positive Rebuy  
 (4) New Task  
 (5) None of these
186. In Banking Services, market can be segment on the basis of \_\_\_\_\_  
 (1) Density (2) Customer  
 (3) Both (1) and (2)  
 (4) Neither (1) nor (2)  
 (5) None of these
187. In testing the new product, 'concept testing' is \_\_\_\_\_  
 (1) Customer's reaction to the idea of product  
 (2) Salesman reaction to the idea of product  
 (3) To put the real product into a few selected markets  
 (4) To assess total product performance  
 (5) None of these
188. When the product is finally submitted to the market, it is known as \_\_\_\_\_.  
 (1) Commercialization  
 (2) Product testing  
 (3) Concept testing  
 (4) Market testing  
 (5) None of these
189. Which among the following is/are true about 'Brand Rejuvenation'?'  
 (1) It adds value to an existing brand  
 (2) It refocus the attention of consumer  
 (3) It helps overcome the consumer's boredom  
 (4) All of the above  
 (5) None of these

190. What is the full form of V.E.D.?  
 (1) Value Exempted Demand  
 (2) Vital Essential Desirable  
 (3) Value Expected Desirable  
 (4) Both (1) and (2)  
 (5) None of these
191. A system of distribution channel in which the producer, wholesalers and retailers act as a unified system  
 (1) Vertical Marketing System  
 (2) Horizontal Marketing System  
 (3) Both (1) and (2)  
 (4) Neither (1) nor (2)  
 (5) None of these
192. Niche marketing refers to \_\_\_\_\_  
 (1) A strategy that specialises in limited or unique product category  
 (2) A strategy that specialises in NICHE products  
 (3) Both (1) and (2)  
 (4) Neither (1) nor (2)  
 (5) None of these
193. The sales promotion, customers response  
 (1) Quickly (2) Slowly  
 (3) Immediately (4) Both (1) and (3)  
 (5) None of these
194. Which among the following is a disadvantage of 'Press' as an Advertising medium?  
 (1) High cost of brand usage  
 (2) Short message life  
 (3) Suitable only for educated class  
 (4) All of the above  
 (5) None of these
195. In cash the objective of the company is to increase repeat purchase, the appropriate promotional tool would be  
 (1) Coupons in print media  
 (2) Multiple packs  
 (3) Trade deals  
 (4) Continuity promotions  
 (5) None of these
196. Which among the following is the most commonly used sales promotional technique in India?  
 (1) Price Deals  
 (2) Refunds and Refits  
 (3) Both (1) and (2)  
 (4) Neither (1) nor (2)  
 (5) None of these
197. Which among the following has an impact on the morale of the salesforce?  
 (1) Salary  
 (2) Incentives  
 (3) Organisational structure  
 (4) All of the above  
 (5) None of these
198. In the pre-approach stage of personal selling  
 (1) Salesman tries to know about the like and dislike of the prospect  
 (2) Salesman identify the prospect  
 (3) Test the product  
 (4) Both (1) and (2)  
 (5) None of these
199. An organisational structure designed to overcome the problems of individual sales organisations is called  
 (1) Hybrid sales organisation  
 (2) Double sales organisation  
 (3) Trips sales organisation  
 (4) All of the above  
 (5) None of these
200. While selecting an advertising medium, which criteria should be considered?  
 (1) Coverage  
 (2) Fusibility  
 (3) Frequency  
 (4) All of the above  
 (5) None of these

