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ACC-II

Previous Year Paper

Aug 2017

(GMAT Paper- I)-1



ACC/III/AUG/2017
PAPER I GENERAL MENTAL ABILITY TEST (GMAT)

SET - A

INDEX No _____

Time : 3 Hrs

Max Marks: 300

General Instructions

1. There are 150 questions and all questions are compulsory.
2. Mark your response on OMR sheet provided for this part of the exam.
3. Each question carries two marks.
4. Do not write anything on the question paper except your index No in the space provided.

DIRECTIONS (1-6). In each of the following series determine the order of the letters. Then from the given options select the one which will complete the given series.

1. Z, S, W, O, T, K, Q, G, ?, ?
 (a) N,D (b) N,C (c) O,D (d) O,C
2. AZ, GT, MN, ?, YB
 (a) TS (b) SH (c) KF (d) RX
3. Z, X, S, I, R, R, ?, ?
 (a) J, I (b) K, M (c) G, I (d) J, K
4. DHL, PTX, BFJ, ?
 (a) KOS (b) NRV (c) CGK (d) OIK
5. EJO, TYD, INS, XCH, ?
 (a) MRW (b) NRW (c) NSX (d) NSW
6. T, R, P, N, L, ?, ?
 (a) K,I (b) J, H (c) J, G (d) K, H



DIRECTIONS (7-11). In the following questions one term in the number series is missing. Find the missing one from the given choices.

7. 2Z5, 7Y7, 14X9, 23W11, 34V13, ?
(a) 47U15 (b) 47V14 (c) 45U15 (d) 27U24
8. 1, 2, 3, 10, ?, 9802
(a) 99 (b) 199 (c) 299 (d) 999
9. 110, 132, 156, ?, 210
(a) 162 (b) 172 (c) 182 (d) 192
10. 8, 15, 28, 53, ?, 199
(a) 101 (b) 102 (c) 103 (d) 104
11. Find out the wrong term in the series 2, 3, 4, 4, 6, 8, 9, 12, 16
(a) 9 (b) 12 (c) 16 (d) 8

Directions (12-19). Choose the correct analogy

12. Camera : Lens :: Flash : ?
(a) Bulb (b) Night (c) Light (d) Shutter
13. Train : Track
(a) Idea : Brain (b) Bullet : Barrel (c) Water : Boat (d) Fame : Television
14. Traffic : Road
(a) Aeroplane : Aerodrome (b) Roots : Tree
(c) Blood : Veins (d) Car : Garage
15. Rubber : Tree :: Silk : ?
(a) Cloth (b) Insects (c) Fabric (d) Weave
16. Smell : Flower :: Taste : ?
(a) Tongue (b) Food (c) Water (d) Sweet

17. Motorcycle : Battery :: Life : ?

- (a) Star (b) Moon (c) Sun (d) Earth

18. Sword : Slaughter :: Scalpel : ?

- (a) Chopping (b) Surgery (c) Stab (d) Murder

19. Eye : Myopia :: Teeth : ?

- (a) Cataract (b) Trachoma (c) Eczema (d) Pyorrhea

Directions (20- 27). In these questions a few complete messages are given in a coded language. Based on it find the code for a particular word.

20. In a certain code language 'POND' is written as 'RSTL'. How will 'HEAR' be written in that code?

- (a) GHIZ (b) GHIJ (c) JCLZ (d) JIGZ

21. In a certain code language 'QUESTION' is written as 'NXBVQLLQ'. How will 'REPLY' be written in that code?

- (a) PBMJV (b) OHMOV (c) OHNOV (d) OIMOV

22. In a certain code language 'TEACHING' is written as 'CHEATING'. How will 'GRADIENT' be written in that code?

- (a) DIRAGENT (b) DIERATING (c) RADIGENT (d) LGDIEANT

23. If the letters of PRABA are coded as 27595, and THILAK as 368451, how will BHARATHI be coded?

- (a) 37536689 (b) 57686535 (c) 96575368 (d) 98855368

24. If ROSE is coded as 6821, CHAIR is coded as 73456 and PREACH is coded as 961473, what will be the code for SEARCH?

- (a) 246173 (b) 214673 (c) 214763 (d) 216473

25. If MADRAS can be written as NBESBT, how can BOMBAY be written in that code?

- (a) CPNCBX (b) CPNCBZ (c) CPOCBZ (d) CQOCBZ

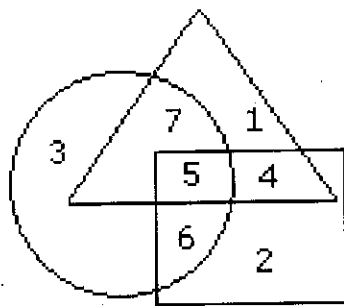
26. If in a certain language FASHION is coded as FOIHSAN, how is PROBLEM coded in that code?

- (a) PELBORM (b) PRBOELM (c) RPBOELM (d) RPBOELM

27. If MISTAKE is coded as 9765412 and NAKED is coded as 84123, How will DISTANT be coded?

- (a) 3765485 (b) 4798165 (c) 3697185 (d) 4768296

Directions (28-31). Study the following diagram and answer questions given below.



- Trained nurses
 → Married population
 → Nurses in hospital

28. If hospital management requires only married trained nurses for Operation Theater, which part of diagram should be chosen by him?

- (a) 7 (b) 4 (c) 5 (d) 6

29. By which number, married but untrained nurses in the hospital are represented?

- (a) 4 (b) 6 (c) 7 (d) 5

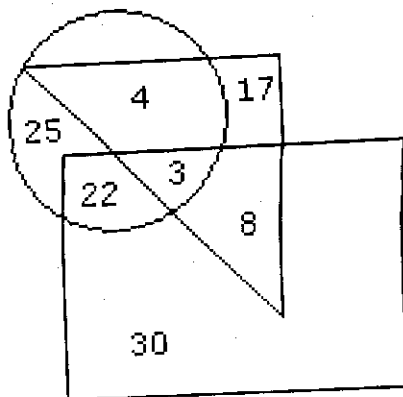
30. By which numbers trained nurses are represented?

- (a) 3,6 (b) 7,5 (c) 5,6 (d) 1,5

31. By which number, the trained unmarried nurses in the hospital are represented?

- (a) 6 (b) 5 (c) 7 (d) 4

Directions (32-35) Each question is based on the figure given below. Observe the diagram (figure) and answer the questions



→ Artists
 → Players
 → Doctors

32. How many doctors are neither artists nor players?
 (a) 17 (b) 5 (c) 10 (d) 30
33. How many doctors are both players and artists?
 (a) 22 (b) 8 (c) 3 (d) 30
34. How many artists are players?
 (a) 5 (b) 8 (c) 25 (d) 16
35. How many players are neither artists nor doctors?
 (a) 25 (b) 17 (c) 5 (d) 10

DIRECTIONS (36-43). Ranking test. The following questions are based on inter-se ranking between two people or a group of people.

36. A, P, R, X, S and Z are sitting in a row. S and Z are in the centre. A and P are at the ends. R is sitting to the left of A. Who is to the right of P?
 (a) A (b) X (c) S (d) Z

37. A, B, C, D and E are sitting on a bench. A is sitting next to B, C is sitting next to D, D is not sitting with E who is on the left end of the bench. C is on the second position from the right. A is to the right of B and E. A and C are sitting together. In which position A is sitting?

- (a) Between B&D (b) Between B&C (c) Between E&D (d) Between C&E

38. In a list, Reena is 15th from the upper end and 17th from the lower end. Find the total number of people in the list?

- (a) 41 (b) 33 (c) 31 (d) 32

39. Preeti scored more than Rahul. Yamuna scored as much as Divya. Lokita scored less than Manju. Rahul scored more than Yamuna. Manju scored less than Divya. Who scored the lowest?

- (a) Manju (b) Yamuna (c) Lokita (d) Rahul

40. Ravi is taller than Kiran. Kiran is not as tall as Ravi but taller than Amar. Rahul too is not as tall as Kiran but taller than Amar, Who is the tallest?

- (a) Kiran (b) Amar (c) Ravi (d) Rahul

41. A is B's Brother. C is D's Father. E is B's Mother, A and D are brothers. How is E related to C?

- (a) Sister (b) Sister-in-law (c) Niece (d) Wife

42. A girl running after her pet dog, covered 20ft, westward. She found the dog, then turned left and she ran another 15ft, distance. The dog got into another lane on the left and she followed for 25ft. She succeeded in catching the dog, only after it ran for another 8ft, on the right side. She walked straight for 23 ft. in the opposite direction. How far and in which direction, has she to go in order to reach her home?

- (a) 8ft, towards North (b) 15ft, towards South-West
(c) 7ft, towards South-East (d) 5ft, towards West

43. Prakash is taller than Manjeet and Manjeet is equal to Deepak. But Sandip is smaller than Shekhar who is equal to Deepak. If Majeet is taller than Aman, who is the tallest of all?

- (a) Manjeet (b) Aman (c) Shekhar (d) Prakash

Directions (44-51). The following questions are based on the relationship between different people and aspects related to those relationships.

44. A is B's sister. C is E's mother. D is C's father. E is D's mother. Then, how is A related to D?

- (a) Grandfather (b) Grandmother (c) Daughter (d) Granddaughter

45. P is the brother of Q and R. S is R's mother. T is P's father. Which of the following statements cannot be definitely true?

- (a) T is Q's father (b) S is P's mother (c) P is S's son (d) Q is T's son

46. A woman introduces a man as the son of the brother of her mother. How is the man, related to the woman?

- (a) Nephew (b) Son (c) Cousin (d) Uncle

47. When Anuj saw Manish, he recalled, "He is the son of the father of my daughter." Who is Manish?

- (a) Brother-in-law (b) Brother (c) Cousin (d) Uncle

48. Nilesch's mother is the only daughter of Pratibha's father. How is Pratibha's husband related to Nilesch?

- (a) Uncle (b) Father (c) Grandfather (d) Brother

49. Q's mother is sister of P and daughter of M. S is daughter of P and sister of T. How is M related to T?

- (a) Grandmother (b) Father
(c) Grandfather (d) Grandfather or Grandmother

50. $P \times Q$ means P is the sister of Q; $P + Q$ means P is the father of Q; $P - Q$ means P is the mother of Q. Which of the following means S is the aunt of T?

- (a) $T \times M + S$ (b) $S + T \times M$
(c) $S \times M + T$ (d) $S \times M + R - T$

51. If ' $A * B$ ' means A is the mother of B; ' $A \times B$ ' means A is the husband of B, then which of the following equations shows that 'P' is the father of 'Q'?

- (a) $Q * M \times P$ (b) $P * Q$
(c) $Q * P$ (d) $P \times M * Q$

DIRECTIONS (52-59). The following questions are based on the ability to perceive direction and distance.

52. Hemant in order to go to university started from his house in the east and came to a crossing. The road to the left ends in a theatre, straight ahead is the hospital. In which direction is the university?

- (a) North (b) South (c) East (d) West

53. Reena walked from A to B in the East 10 feet. Then she turned to the right and walked 3 feet. Again she turned to the right and walked 14 feet. How far is she from A?

- (a) 4 feet (b) 5 feet (c) 24 feet (d) 27 feet

54. Hari starts from a point and goes to East then he turns to South after some times he turns to South after some times he turns to West and then he turns to West and then he turns to right and goes on. Now in which direction he is going?

- (a) East (b) North (c) South (d) West

55. Ashish is to the South of Nikita and to the West of Dipika. If Neela is to the South of Ashish, then In which direction, is Neela with respect to Dipika?

- (a) South (b) North-East (c) South-West (d) North

56. Prakash walked 30 m towards East and took a right turn and walked 40 m. He again, took a right turn and walked 50 m. Towards which direction is he facing now?

- (a) South (b) West (c) South-West (d) South-East

57. Shrikant travelled from a point X straight to Y for a distance of 40 m. He turned right and walked 25 m, then again turned right and walked 40 m. Finally, he turned left and walked 25 m. How far is he from the starting point?

- (a) 10 m (b) 50 m (c) 25 m (d) 70 m

58. Sheela moves towards South-East a distance of 7 m, then she moves towards West and travels a distance of 14 m. From here, she moves towards North-West a distance of 7 m and finally she moves a distance of 4 m towards East and stood at that point. How far is the starting point from where she stood?

- (a) 3 m (b) 4 m (c) 10 m (d) 11 m

59. Sachin runs 20 m towards East and turns to right, runs 10 m and turns to right, runs 9 m and again turns to right, runs 5 m and then turns to left, runs 12 m and finally turns to right and runs 6 m. Now, in which direction is he facing?

- (a) East (b) West (c) North (d) South

Directions (60-67). In the following questions the actual mathematical symbols have been substituted by other notations and symbols. You are required to ascertain the actual symbols and arrive at the correct conclusion from the alternatives given below:-

60. If \times stands for 'addition', \div stands for 'subtraction', $+$ stands for 'multiplication' and $-$ stands for 'division', then $20 \times 8 \div 8 - 4 + 2 = ?$

- (a) 80 (b) 25 (c) 24 (d) 5

61. If \times means \div , $-$ means \times , \div means $+$ and $+$ means $-$, then $(3 - 15 \div 19) \times 8 + 6 = ?$

- (a) 8 (b) 4 (c) 2 (d) -1

62. If Q means 'add to', J means 'multiply by', T means 'subtract from' and K means 'divide by' then $30 K 2 Q 3 J 6 T 5 = ?$

- (a) 18 (b) 28 (c) 31 (d) 103

63. If $-$ means \times , \times means $+$, $+$ means \div and \div means $-$, then $40 \times 12 + 3 - 6 \div 60 = ?$

- (a) 7.95 (b) 16 (c) 44 (d) None of These

64. If $+$ means \div , \times means $-$, \div means \times and $-$ means $+$, then $8 + 6 \times 4 \div 3 - 4 = ?$

- (a) -12 (b) $-20/3$ (c) 12 (d) $20/3$

65. If $+$ stands for divide, \div stands for subtract, $-$ stands for multiply and \times stands for addition, then choose the correct alternation: $12 + 6 \div 3 - 2 \times 8 = ?$

- (a) -2 (b) 4 (c) 2 (d) 8

66. If \times stands for subtract, \div stands for addition, $+$ stands for multiply and $-$ stands for divide, then find the value of following equation: $(16 \times 5) \div 5 + 3 = ?$

- (a) 62 (b) 10 (c) 2 (d) 26

67. If $L = +$, $M = -$, $N = \times$, $P = \div$ then $14N10L42P2M8 = ?$

- (a) 153 (b) 216 (c) 248 (d) 251

Directions (68-75). The following questions are based on time, day and date calendar and clock.

68. If you are eleventh in a queue starting either end, how many persons are there in the queue?

- (a) Eleven (b) Twenty (c) Twenty one (d) Twenty Two

69. P, Q, R and S are four consecutive months of which P and S have only 30 days. Which month is S?

- (a) April (b) June (c) September (d) November

70. A, B, C, D and E are sitting on a bench. A is sitting with B and C and D are sitting with each other. But D is not sitting with E because E is on the left corner of the bench. C's place is second from the right and A is right to B and E, but A is sitting with C, then find the position of A?

- (a) between B and D (b) between B and C
(c) between E and D (d) between C and E

71. A, P, R, X, S and Z are sitting in a row. S and Z are in the centre, and A and P are at the ends. R is sitting on the left of A. Then who is on the right of P?

- (a) A (b) X (c) S (d) Z

72. The priest told the devotee, "The temple bell is rung at regular intervals of 45 minutes. The last bell was rung five minutes ago. The Next bell is due to be rung at 7:45am". At what time did the priest give this information to the devotee?

- (a) 7.40 am (b) 7.05 am (c) 7.00 am (d) 6.55 am

73. At 6:15, the hour hand and the minute hand of a clock form an angle of

- (a) 90 Deg (b) 91.5 Deg (c) 97.5 Deg (d) 94.5 Deg

74. If day after tomorrow is Saturday, what day was 3 days before yesterday?

- (a) Monday (b) Sunday (c) Tuesday (d) Thursday

75. In 30 min, the hour hand of a clock rotates through an angle of ____?

- (a) 30 Deg (b) 60 Deg (c) 15 Deg (d) 45 Deg

Directions (76-80). Choose the next logical figure from the given alternatives.

76.

- (a) 1 (b) 2 (c) 3 (d) 4

77.

- (a) 1 (b) 2 (c) 3 (d) 4

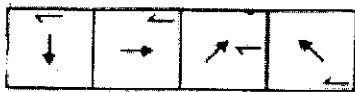
78.

- (a) 1 (b) 2 (c) 3 (d) 4

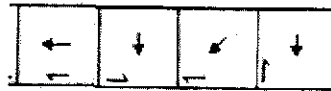
79.

- (a) 1 (b) 2 (c) 3 (d) 4

80.



(A) (B) (C) (D)



(1) (2) (3) (4)

(a) 1 (b) 2 (c) 3 (d) 4

Directions (81-85). Select the figure from the choice which will continue the series.

81.



(A) (B) (C) (D)



(1) (2) (3) (4) (5)

(a) 1 (b) 5 (c) 3 (d) 4

82.



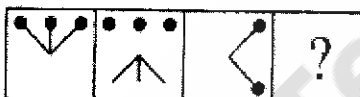
(A) (B) (C) (D)



(1) (2) (3) (4) (5)

(a) 5 (b) 2 (c) 3 (d) 4

83.



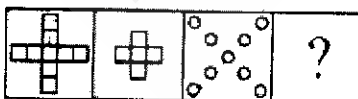
(A) (B) (C) (D)



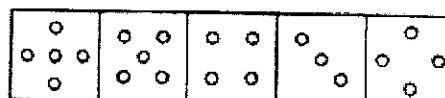
(1) (2) (3) (4) (5)

(a) 1 (b) - 2 (c) 3 (d) 5

84.



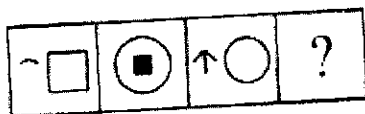
(A) (B) (C) (D)



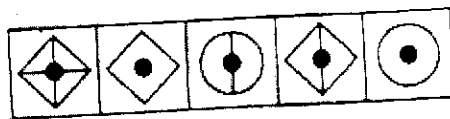
(1) (2) (3) (4) (5)

(a) 1 (b) 2 (c) 3 (d) 4

85.



(A) (B) (C) (D)



(1) (2) (3) (4) (5)

(a) 1 (b) 2 (c) 5 (d) 4

Directions (86-90). In each of the following questions one of the figures are different from the rest. Spot the figure.

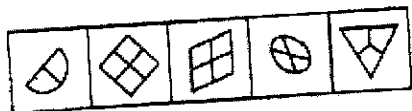
86.



(1) (2) (3) (4) (5)

(a) 1 (b) 5 (c) 3 (d) 4

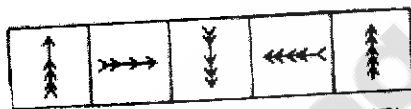
87.



(1) (2) (3) (4) (5)

(a) 1 (b) 2 (c) 5 (d) 4

88.



(1) (2) (3) (4) (5)

(a) 1 (b) 2 (c) 3 (d) 4

89.



(1) (2) (3) (4) (5)

(a) 5 (b) 2 (c) 3 (d) 4

90.



(1) (2) (3) (4) (5)

(a) 1 (b) 2 (c) 3 (d) 4

NUMERICAL ABILITY (91-150)

91. A sum fetched a total simple interest of Rs. 4016.25 at the rate of 9% per annum. in 5 years. What is the sum?

(a) Rs. 4462.50 (b) Rs. 8032.50 (c) Rs. 8900 (d) Rs. 8925

92. Reena took a loan of Rs.1200 with simple interest for as many years as the rate of interest. If she paid Rs.432 as interest at the end of the loan period, what was the rate of interest?

(a) 3.6 (b) 6 (c) 18 (d) None of these

93. The owner of a furniture shop charges his customers 12% more than the cost price. If a customer paid Rs.14,056 for a dining table, what is the cost price of the dining table?

(a) Rs.14,000 (b) Rs.12,500 (c) Rs.13,540 (d) None of these

94. The cost price of 20 articles is the same as the selling price of x articles. If the profit is 25%, then the value of x is?

(a) 15 (b) 16 (c) 18 (d) 25

95. A vendor bought toffees at 6 for a rupee. How many for a rupee must he sell to gain 20%?

(a) 3 (b) 4 (c) 5 (d) 6

96. A fruit seller had some apples. He sells 40% apples and still has 420 apples. Originally, he had:

(a) 588 apples (b) 600 apples (c) 672 apples (d) 700 apples

97. In the first 10 overs of a cricket game, the run rate was only 3.2. What should be the run rate in the remaining 40 overs to reach the target of 282 runs?

- (a) 6.25 (b) 6.5 (c) 6.75 (d) 7

98. The average age of husband, wife and their child 3 years ago was 27 years and that of wife and the child 5 years ago was 20 years. The present age of the husband is:

- (a) 35 years (b) 40 years (c) 50 years (d) None of these

99. A hall is 15 m long and 12 m broad. If the sum of the areas of the floor and the ceiling is equal to the sum of the areas of four walls, the volume of the hall is:

- (a) 720 m^3 (b) 900 m^3 (c) 1200 m^3 (d) 1800 m^3

100. What least number must be added to 1056, so that the sum is completely divisible by 23?

- (a) 2 (b) 3 (c) 18 (d) 21

101. The difference of two numbers is 1365. On dividing the larger number by the smaller, we get 6 as quotient and the 15 as remainder. What is the smaller number?

- (a) 240 (b) 270 (c) 295 (d) 360

102. The sum of two numbers is 25 and their difference is 13. Find their product.

- (a) 104 (b) 114 (c) 315 (d) 325

103. If $a - b = 3$ and $a^2 + b^2 = 29$, find the value of ab

- (a) 10 (b) 12 (c) 15 (d) 18

104. 3 pumps, working 8 hours a day, can empty a tank in 2 days. How many hours a day must 4 pumps work to empty the tank in 1 day?

- (a) 9 (b) 10 (c) 11 (d) 12

105. 39 persons can repair a road in 12 days, working 5 hours a day. In how many days will 30 persons, working 6 hours a day, complete the work?

- (a) 10 (b) 13 (c) 14 (d) 15

106. A boat can travel with a speed of 13 km/hr in still water. If the speed of the stream is 4 km/hr, find the time taken by the boat to go 68 km downstream.

- (a) 2 hours (b) 3 hours (c) 4 hours (d) 5 hours

107. The speed of a boat in still water is 15 km/hr and the rate of current is 3 km/hr. The distance travelled downstream in 12 minutes is:

- (a) 1.2 km (b) 1.8 km (c) 2.4 km (d) 3.6 km

108. A bag contains 50 paise, 1 rupee and 2 rupee coins in the ratio 2 : 3 : 4. If the total amount is Rs.240, what is the total number of coins?

- (a) 90 (b) 150 (c) 180 (d) 200

109. The average of ten numbers is 7. If each number is multiplied by 12, then the average of a new set of number is?

- (a) 7 (b) 19 (c) 82 (d) 84

110. A man purchased a cow for Rs. 3000 and sold it the same day for Rs. 3600, allowing the buyer a credit of 2 years. If the rate of interest be 10% per annum, then the man has a gain of:

- (a) 0% (b) 5% (c) 7.5% (d) 10%

111. A man completes a journey in 10 hours. He travels first half of the journey at the rate of 21 km/hr and second half at the rate of 24 km/hr. Find the total journey in km.

- (a) 220 km (b) 224 km (c) 230 km (d) 234 km

112. The diagonal of a rectangle is 41 cm and its area is 20 sq. cm. The perimeter of the rectangle must be:

- (a) 9 cm (b) 18 cm (c) 20 cm (d) 41 cm

113. A alone can do a piece of work in 6 days and B alone in 8 days. A and B undertook to do it for Rs. 3200. With the help of C, they completed the work in 3 days. How much is to be paid to C?

- (a) Rs. 375 (b) Rs. 400 (c) Rs. 600 (d) Rs. 800

114. A and B invest in a business in the ratio 3 : 2. If 5% of the total profit goes to charity and A's share is Rs. 855, the total profit is:

- (a) Rs. 1425 (b) Rs. 1500 (c) Rs. 1537.50 (d) Rs. 1576

115. A, B, C subscribes Rs. 50,000 for a business. A subscribes Rs. 4000 more than B and B Rs. 5000 more than C. Out of a total profit of Rs. 35,000, A receives:

- (a) Rs. 8400 (b) Rs. 11,900 (c) Rs. 13,600 (d) Rs. 14,700

116. A father said to his son, "I was as old as you are at the present at the time of your birth". If the father's age is 38 years now, the son's age five years back was:

- (a) 14 years (b) 19 years (c) 33 years (d) 38 years

117. A is two years older than B who is twice as old as C. If the total of the ages of A, B and C be 27, the how old is B?

- (a) 7 (b) 8 (c) 9 (d) 10

118. The sum of the present ages of a father and his son is 60 years. Six years ago, father's age was five times the age of the son. After 6 years, son's age will be:

- (a) 12 years (b) 14 years (c) 18 years (d) 20 years

119. The average of four consecutive even numbers is 27. The largest number in these numbers is?

- (a) 36 (b) 32 (c) 30 (d) 28

120. At 4 O'clock what angle will be formed between the hour and minute hand of a watch?

- (a) 90° (b) 125° (c) 120° (d) 115°

121. Two numbers are in the ration of 4:5 and their L.C.M is 120. The number are :

- (a) 30,40 (b) 40,32 (c) 24,30 (d) 36,20

122. The smallest perfect squares that divided by 10, 16 and 24 is :

- (a) 900 (b) 1600 (c) 2500 (d) 3600

123. Divide some guavavas in 16,40 and 70 boys that everyone get equal. What will be the least numbers of guavavas if none guavava leaves remainder?

- (a) 280 (b) 140 (c) 560 (d) 1120

124. The average of 11, 23 and x is 40, then the value of x is :
- (a) 6 (b) 40 (c) 86 (d) 120
125. A grocer has a sale of Rs. 6435, Rs. 6927, Rs. 6855, Rs. 7230 and Rs. 6562 for 5 consecutive months. How much sale must he have in the sixth month, so that he gets an average sale of Rs. 6500?
- (a) Rs. 4991 (b) Rs. 5991 (c) Rs. 6991 (d) Rs. 6001
126. 5 parts out of 2250 parts of earth is sulphur. What is the percentage of sulphur in earth?
- (a) $\frac{11}{50}$ (b) $\frac{2}{9}$
(c) $\frac{1}{45}$ (d) $\frac{2}{45}$
127. If 60% of the students in a school are boys and the number of girls is 972, how many boys are there in the school?
- (a) 1258 (b) 1458 (c) 1324 (d) 1624
128. What percent of 2 quintal is 2.5kg?
- (a) 0.8% (b) 20% (c) 1.25% (d) 25%
129. The population of a town is increased from 133575 to 1389. The percent increase in population is:
- (a) 2.5 (b) 3 (c) 3.5 (d) 4
130. Meena buys eggs at Rs. 7 for 20 and sells them at Rs 7.20 per dozen. If the profit is Rs. 30, the number of eggs bought by her is :
- (a) 60 (b) 120 (c) 180 (d) 240
131. 400 mangoes were bought at Rs. 125 per hundred and were sold at a profit of Rs. 100. The selling price per dozen was :
- (a) Rs. 15 (b) Rs. 18 (c) Rs. 20 (d) Rs. 21
132. Loss by selling an article for Rs. 560 is Rs. 50 more than the gain by selling it for Rs. 720, find cost price of the article :
- (a) Rs. 625 (b) Rs. 600 (c) Rs. 650 (d) Rs. 665

133. The simplest form of 77:55 is:

- (a) 7:5 (b) $\frac{7.7}{5.5}$
(c) 55:77 (d) $\frac{77}{11}$

134. If a carton containing a dozen mirrors is dropped, which of the following cannot be the ratio of broken mirrors to unbroken mirrors?

- (a) 2:1 (b) 3:1 (c) 3:2 (d) 7:5

135. Two persons P and Q start a business together. P invests Rs. 8000. P and Q share the profit as Rs. 360 and Rs. 450 respectively. The investment of Q is :

- (a) Rs. 9000 (b) Rs. 10000 (c) Rs. 12000 (d) Rs. 15000

136. A, B and C started a business with a capital of Rs. 7000, 9000 and 11000 respectively. At the end they got profit of Rs. 8100. The shares of A and B are :

- (a) Rs. 2700, 3300 (b) Rs. 2100, 2700
(c) Rs. 1800, 2100 (d) Rs. 2100, 3300

137. 128, 64, 32, 16

- (a) 4 (b) 8 (c) 10 (d) 12

138. 0, 2, 6, 12, 20

- (a) 36 (b) 32 (c) 30 (d) 40

139. 4, 11, 18, 25, 32, 39 ?

- (a) 46 (b) 4 (c) 42 (d) 2097

140. $\frac{1}{22}, \frac{4}{23}, \frac{9}{24}, \frac{16}{25}, \frac{25}{26}, \frac{36}{27}, \dots$

- (a) $\frac{47}{28}$ (b) $\frac{20}{28}$
(c) $\frac{49}{28}$ (d) $\frac{48}{28}$

141. The H.C.F. of 9, 6, 12 is:

- (a) 6 (b) 2 (c) 3 (d) 4

142. The H.C.F of 48, 24, 72 is:
(a) 24 (b) 36 (c) 5 (d) 9
143. The greatest common divisor of 1426 and 343 is :
(a) 16 (b) 19 (c) 3 (d) 1
144. The average of first nine multiples of 3 is ?
(a) 12 (b) 18.5 (c) 12.5 (d) 15
145. The average of four consecutive even numbers is 27. The largest number in these numbers is :
(a) 36 (b) 32 (c) 30 (d) 28
146. The mean of two numbers is M. If one number is N, then the other will be :
(a) 2N (b) 2M (c) $M - N$ (d) $2M - N$
147. A discount of 12.5% on the marked price of a table is allowed and then the table is sold for Rs. 4375. The marked price of the table is :
(a) Rs. 6000 (b) Rs. 5400 (c) Rs. 5200 (d) Rs. 5000
148. In an election between two candidates, 68 votes were declared invalid. The winning candidate scored 52% and won by 98 votes. The total number of votes polled are :
(a) 2518 (b) 2450 (c) 2382 (d) None of these
149. If 200% of a number is 90, then what will be its 80%?
(a) 36 (b) 144 (c) 90 (d) 72
150. Ankit bought 15kg of dal at the rate of Rs. 14.50 per kg and 10 kg at the rate of Rs. 13 per kg. He mixed the both and sold the mixture at the rate of Rs. 15 per kg. What was his total gain in this transaction?
(a) Rs. 1.10 (b) Rs. 11 (c) Rs. 16.50 (d) Rs. 27.50