



AFCAT – 1/2020

DAY – 8

- 1) In Arun's opinion his weight is greater than 65 kg but less than 72 kg. His brother does not agree with Arun and he thinks that Arun's weight is greater than 60 kg but less than 70 kg. his mother's view is that his weight cannot be greater than 68 kg. If all them are correct in their estimation, what is the average of different probable weights of Arun?
- 71 kg
 - 67 kg
 - 67.5 kg
 - 68 kg
- 2) A towel was 50 cm broad and 100 cm long. When bleached, it was found to have lost 20% of its length and 10% of its breadth. Find the percentage of decrease in area?
- 32
 - 28
 - 33
 - 24
- 3) A and B can do a piece of work in 30 days while B and C can do the same work in 24 days and C and A in 20 days. They all work for 10 days and B and C leave. How many days more will A take to finish the work?
- 12
 - 18
 - 20
 - 22
- 4) A man deposited a total sum of Rs 88400 in the name of his two sons aged 19 and 17 years so that at the age of 21, both will get equal amounts. If the money is invested at the rate of 10% compound interest per annum what are the shares of his two sons?
- Rs 48200
 - Rs 48400
 - Rs 42600
 - Rs 44200
- 5) Speed of a boat in still water is 9km/hr and the speed of the stream is 1.5km/hr. A man rows to a place at a distance of 105 km and comes to the starting point. What will be the total time taken by him?
- 16 hours
 - 18 hours
 - 24 hours
 - 28 hours
- 6) Equal sum of money are lent to X and Y at 7.5% per annum for a period of 4 years and 5 years respectively. If the difference in interest paid by them was Rs 150, the sum lent to each was(In rupees)
- 500
 - 1000
 - 2000
 - 3000



- 7) A trader bought 10Kg of apples for Rs 405 out of which 1 Kg of apples were found to be rotten. If he wishes to make a profit of 10%, at what rate should he sell the remaining apples per Kg?(In rupees)
- 45
 - 49.50
 - 50
 - 51
- 8) A builder borrows Rs 2550 to be paid back with compound interest at the rate of 4% per annum by the end of 2 years in two equal yearly installments. How much will each installment be?(In Rs)
- 1352
 - 1377
 - 1275
 - 1283
- 9) A's income is Rs 140 more than B's income and C's income is Rs 80 more than D's. If the ratio of A's and C's incomes is 2:3 and the ratio of B's and D's incomes is 1:2, then the incomes of A, B, C, and D are respectively(In rupees)
- 260,120,320,240
 - 300,160,600,520
 - 400,260,600,520
 - 320,180,480,360
- 10) The product of the LCM and HCF of two numbers is 24. The difference of the two numbers is 2. Find the numbers?
- 25%
 - 50%
 - $16\frac{2}{3}\%$
 - $33\frac{1}{3}\%$
- 11) Choose the correctly spelt word.
- Intrensic
 - Intrinsic
 - Entrensic
 - Entrinsic
- 12) Choose the correctly spelt word.
- Vetarinary
 - Veteninary
 - Veterinary
 - Vetniary
- 13) Choose the correctly spelt word.
- Parentheses
 - Parenthsis
 - Parentesis
 - Parenthses
- 14) Choose the correctly spelt word.
- Hemorrhage
 - Hemorrhage
 - Haemorrhage
 - Hemorrhage
- 15) Choose the correctly spelt word.
- Verstile
 - Versatile
 - Versetile
 - Versatele
- 16) If PALE is coded as 2134, EARTH is coded as 41590, how can is PEARL be coded in that language?
- 25430
 - 29530
 - 25413
 - 24153

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17) By how many degrees a minute hand rotates in 45 minutes

- a) 90°
- b) 180°
- c) 270°
- d) 45°

18) If in a certain code, GLAMOUR is written as IJCNMWP and MISRULE is written as OGUSSNC, then how will TOPICAL be written in that code?

- a) VMRJECN
- b) VMRHAGJ
- c) VMRJACJ
- d) VNRJABJ

19) Determine the order of the letters. Then from the given options select the one which will complete the given series.

BADC?HGJI

- a) EF
- b) FE
- c) FG
- d) DF

20) In the following question, select the number(s) from the given options for completing the given series.

96, 90, 78, ?, 36, 6

- a) 60
- b) 72
- c) 48
- d) 54

ALL THE BEST

JAI HIND

