



AFCAT – 1/2020

DAY – 3

- 1) A is thrice as good as workman as B and therefore is able to finish a job in 60 days less than B. Working together, they can do it in:
- 20 days
 - $22\frac{1}{2}$ days
 - 25 days
 - 30 days
- 2) Suppose a, b, c, d and e are five consecutive odd numbers in ascending order. Consider the following statements:
- Their average is $(a + 4)$.
 - Their average is $(b + 2)$.
 - Their average is $(e - 4)$.
- Which of the statements given above is/are correct?
- 1 only
 - 2 and 3 only
 - 1 and 3 only
 - 1, 2 and 3
- 3) A thief is noticed by a policeman from a distance of 200 m. The thief starts running and the policeman chases him. The thief and the policeman run at the rate of 10 km/hr and 11 km/hr respectively. What is the distance between them after 6 minutes?
- 100m
 - 190m
 - 200m
 - 150m
- 4) A man bought rubbers at the rate of 6 for 4 rupees and sold them at the rate of 4 for 6 rupees. Find his gain or loss percentage?
- 10%
 - 15%
 - 20%
 - 25%
- 5) A sum was invested for 3 years at simple interest at a certain rate. Had it been invested at 4% higher rate of interest, it would have fetched rupees 600 more. The sum is
- Rs 4000
 - Rs 4950
 - Rs 5000
 - Rs 5150
- 6) The difference between simple interest and compound interest compounded annually on a certain sum of money for 2 years at 4% per annum is rupees 1. The sum (in Rs) is
- 625
 - 630
 - 640
 - 650
- 7) A certain amount of money has to be divided between two persons P and Q in the ratio 3:5. But it was divided in the ratio of 2:3 and there by loses Rs 10. What was the amount?



- a) 250
- b) 300
- c) 350
- a) 400

8) The ratio of present age of A and B is 1 : 2 and 5 years back the ratio was 1 : 3, what will be the ratio of their age after 5 years?

- a) 2 : 5
- b) 5 : 2
- c) 3 : 5
- a) 5 : 3

9) If a and b are positive integers and

$$\frac{(a-b)}{3.5} = \frac{4}{7}, \text{ then}$$

- a) $b > a$
- b) $b < a$
- c) $b = a$
- d) $b \geq a$

10) If $x = \frac{(\sqrt{126} \times \sqrt{63} \times \sqrt{45})}{(\sqrt{147} \times \sqrt{243})}$, then the value of x

is

- a) $\sqrt{5}$
- b) $\sqrt{10}$
- c) 10
- d) 5

From questions 11 – 13, select the correct synonym of the words, from the given alternatives:

11) Emancipate

- a) Set free
- b) Exist
- c) Correct Morally
- a) Restrain

12) Alacrity

- a) Hesitatingly
- b) Eagerness
- c) Unwillingly
- a) Laziness

13) Admonition

- a) Thrash
- b) Hindrance
- c) Warning
- d) Exhort

From questions 14 – 15, select the correct antonyms of the words, from the given alternatives:

14) Cacophonous

- a) Tamed
- b) Harmonious
- c) Domestic
- a) Silent

15) Calumny

- a) Apology
- b) Eulogy
- c) Enjoyment
- a) Reservation

16) Choose the odd man out

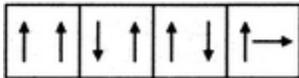
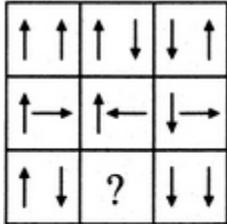
- a) Commander
- b) Commodore
- c) Brigadier
- d) Admiral

17) If HORSE : NEIGH :: JACKAL : ?.
Select the best alternative.

- a) Squeak
- b) Chatter
- c) Howl
- d) Bray



18) Select a suitable figure from the four alternatives that would complete the figure matrix.

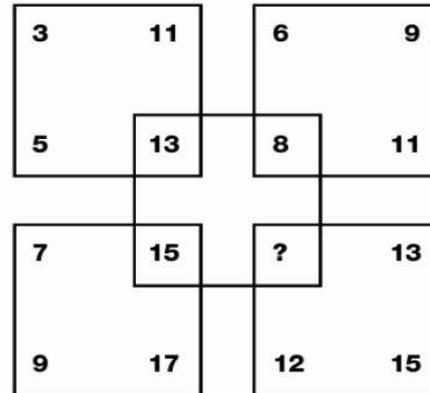


(1) (2) (3) (4)

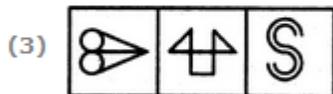
- a) 1
- b) 2
- c) 3
- d) 4

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

20) Which number replaces the question mark and completes the puzzle?



19) Choose the set of figures which follows the given rule. The rule is any figure can be traced by a single unbroken line without retracting.



- a) 17
- b) 14
- c) 15
- d) 10

ALL THE BEST

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