

AFCAT – 1/2020

DAY – 7

- 1) A,B,C start running at the same time and at the same point in the same direction in a circular stadium. A completes a round in 252seconds, B in 308seconds and C in 198 seconds. After what time will they meet again in the starting point?
- 26minutes 18seconds
 - 42minutes 36seconds
 - 45minutes
 - 46minutes 12seconds
- 2) The average weight of 3 men A,B and C is 84 Kg. Another man D joins the group and the average now becomes 80 Kg. If another man E whose weight is 3Kg more than that of D, replaces A then the average weight of B,C,D and E becomes 79Kg. What is the weight of A?(In Kg)
- 70
 - 72
 - 75
 - 80
- 3) The reciprocals of the squares of the numbers $1\frac{1}{2}$ and $1\frac{1}{3}$, are in the ratio
- 64:81
 - 8:9
 - 81:64
 - 9:85
- 4) In army selection process, the ratio of selected to unselected candidates was 4:1. If 90 less had applied and 20 less were selected, the ratio of selected to unselected candidates would have been 5:1. How many candidates had applied for the process?
- 1650
 - 3300
 - 825
 - 4950
- 5) A motor boat covers a certain distance downstream in a river in 3 hours. It covers the same distance upstream in 3 hours and a half. If the speed of water is 1.5 km/hr, then the speed of the boat in still water is
- 17 km/hr
 - 19.5 km/hr
 - 17.5 km/hr
 - 19 km/hr
- 6) I walk a certain distance and ride back taking a total time of 37 minutes. I could walk both ways in 55 minutes. How long would it take me to ride both ways?
- 9.5 minutes
 - 19 minutes
 - 18 minutes
 - 20 minutes



7) A car moving in the morning fog passes a man walking at 4 km/hr, in the same direction. The man can see the car for 3 minutes and visibility is upto a distance of 130 m. The speed of the car is

- a) $7\frac{3}{5}$ km/hr
- b) $6\frac{3}{5}$ km/hr
- c) 7 km/hr
- d) 5 km/hr

8) One pipe can fill a tank three times fast as another pipe. If together the two pipes can fill the tank in 36 minutes, the slower pipe alone will be able to fill the tank in(In minutes)

- a) 81
- b) 108
- c) 144
- d) 192

9) A contractor undertakes to make a road in 40 days and employs 25 men. After 24 days, he finds that only one-third of the road is made. How many extra men should he employ so that he is able to complete the work 4 days earlier?

- a) 100
- b) 60
- c) 75
- d) None of this

10) If the amount is $3\frac{3}{8}$ times the sum after 3 years at compound interest compounded annually, then the rate of interest per annum is

- a) 25%
- b) 50%

- c) $16\frac{2}{3}\%$
- d) $33\frac{1}{3}\%$

From question number 11 – 15 which word explains the meaning of the following idioms:

11) To take through one's hat

- a) To speak fluently
- b) To talk nonsense
- c) To talk wisdom
- d) To speak at random

12) Bolt from the blue

- a) Sea swimming
- b) Complete surprise
- c) Reckless
- d) Careless

13) To flog a dead horse

- a) To act in a foolish way
- b) To waste one's efforts
- c) To revive into rest in an old subject
- d) To revive old memories

14) In a jiffy

- a) Outstanding
- b) Suddenly
- c) In a fix
- d) Appropriate

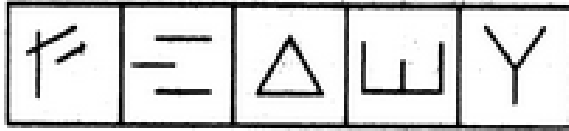
15) Man of letters

- a) Who writes too many letters
- b) An important person
- c) A politician
- d) A literary person

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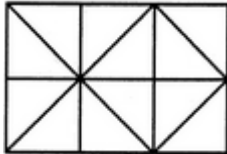


16) Choose the figure which is different from the rest.



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

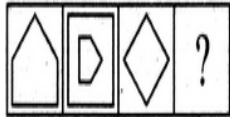
17) Count the number of squares in the given figure.



- a) 6
- b) 7
- c) 9
- d) 10

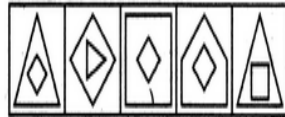
18) Select a suitable figure from the Answer Figures that would replace the question mark (?).

Problem Figures



A B C D

Answer Figures

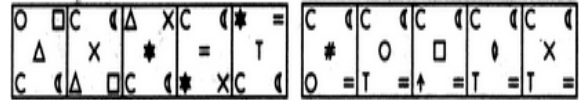


1 2 3 4 5

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

- d) 4
- e) 5

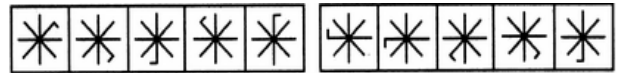
19) Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.



A B C D E 1 2 3 4 5

- a) 1
- b) 2
- c) 3
- d) 4
- e) 5

20) Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.



A B C D E 1 2 3 4 5

- a) 1
- b) 2
- c) 3
- d) 4
- e) 5

ALL THE BEST

JAI HIND

