

## AFCAT – 1/2020

### DAY – 9

- 1) An article was sold at a profit of 12%. If the cost price would be 10% less and selling price would be Rs 5.75 more, there would be profit of 30%. Then at what price it should be sold to make a profit of 20%?
- a) Rs 115  
b) Rs 120  
c) Rs 138  
d) Rs 215
- 2) The marked price of a watch is Rs 1600. The shopkeeper gives successive discounts of 10% and x% to the customer. If the customer pays Rs 1224 for the watch, the value of x is
- a) 5%  
b) 10%  
c) 15%  
d) 20%
- 3) A person invests money in three different schemes for 6 years, 10 years and 12 years at 10%, 12% and 15% simple interest respectively. At the completion of each scheme, he gets the same interest. The ratio of his investments is
- a) 6:3:2  
b) 2:3:4  
c) 3:4:6  
d) 3:4:2
- 4) The difference of compound interest and simple interest for 3 years and 2 years are in the ratio 23:7 respectively. What is rate of interest per annum (in%)?
- a)  $\frac{200}{7}$   
b)  $\frac{100}{7}$   
c)  $\frac{300}{7}$   
d)  $\frac{400}{7}$
- 5) A and B can together complete a task in 18 hours. After 6 hours A leaves. B takes 36 hours to finish rest of the task. How many hours would A have taken to do the task if he worked alone?
- a) 54  
b) 45  
c) 21  
d) 27
- 6) Two pipes can independently fill a bucket in 20 minutes and 25 minutes. Both are opened together for 5 minutes after which the second pipe is turned off. What is the time taken by the first pipe alone to fill the remaining portion of the bucket?
- a) 11 minutes  
b) 16 minutes  
c) 20 minutes  
d) 15 minutes



- 7) 50 trees are standing in a line such that distance between any two consecutive trees is same. A car takes 18 seconds to travel from 13<sup>th</sup> tree to 34<sup>th</sup> tree. How much time (in seconds) will it take to reach from the first tree to the 50<sup>th</sup> tree?
- a) 42  
b) 42.85  
c) 45  
d) 49
- 8) A man can row at a speed of  $4\frac{1}{2}$  km/hr in still water. If he takes 2 times as long to row a distance upstream as to row the same distance downstream, then the speed of stream (in km/hr) is
- a) 1  
b) 1.5  
c) 2  
d) 2.5
- 9) In an examination A got 25% marks more than B, B got 10% less than C and C got 25% more than D. if D got 320 marks out of 500, the marks obtained by A were
- a) 405  
b) 450  
c) 360  
d) 400
- 10) A vessel is filled with liquid, 3 parts of which are water and 5 parts syrup. How much of the mixture must be drawn off and replaced with water so that the mixture may be half water and half syrup?
- a)  $\frac{1}{3}$   
b)  $\frac{1}{4}$   
c)  $\frac{1}{5}$   
d)  $\frac{1}{7}$
- 11) Who won the 55<sup>th</sup> Jnanpith Award for the year 2019?
- a) G S Kurup  
b) Akkitham  
c) Amitab Ghosh  
d) Ashapura Devi
- 12) The SAFF U – 18 Football championship was won by
- a) Nepal  
b) Bangladesh  
c) India  
d) Maldives
- 13) Who won the Wushu World Championship in 48kg category?
- a) Praveen Kumar  
b) Pooja Kadian  
c) Poonam  
d) Sanathoi Devi
- 14) The international Tea day is celebrated on
- a) December 15  
b) December 25  
c) December 22  
d) December 10
- 15) The 2019 Miss World was bagged by
- a) Suman Rao  
b) Vanessa Ponce de Leon  
c) Manushi Chhillar  
d) Toni Ann Singh



16) Gaurav walks 20 km towards North. He turns left and walks 40 km. He again turns left and walks 20 km. Finally he moves 20 km after turning to the left. How far is he from his starting position?

- a) 20 km
- b) 30 km
- c) 50 km
- d) 60 km

17) A's son B is married with C whose sister D is married to E the brother of B. How D is related to A?

- a) Sister
- b) Daughter – in – law
- c) Sister – in – law
- d) Cousin

18) Which letter is 8<sup>th</sup> to the left of the 13<sup>th</sup> letter from the left of the English alphabet?

- a) F
- b) H
- c) G
- d) E

19) How many 4's are there preceded by 7 but not followed by 3?

5 9 3 2 1 7 4 2 6 9 7 4 6 1 3 2 8 7 4 1  
3 8 3 2 5 6 7 4 3 9 5 8 2 0 1 8 7 4 6 3

- a) Four
- b) Three
- c) Six
- d) Five

20) Umesh is taller than Sathish, Suresh is shorter than Neeraj but taller than Umesh. Who is the tallest among them?

- a) Umesh
- b) Sathish
- c) Suresh
- d) Neeraj

**ALL THE BEST**

**JAI HIND**

