

AFCAT – 1/2020

DAY – 13

- 1) A can do $\frac{1}{2}$ of a work in 9 days while B can do $\frac{1}{3}$ of the same work in 6 days. How long would it take for A and B together to complete the work?
- 8 days
 - 9 days
 - 10 days
 - 7 days
- 2) 12 men can complete a piece of work in 4 days, while 15 women can complete the same work in 4 days. 6 men start working on the job and after working for two days, all of them stopped working. How many women should be put on the job to complete the remaining work, if it is to be completed in 3 days?
- 115
 - 22
 - 18
 - Data inadequate
- 3) A cistern can be filled by two pipes in 20 and 30 minutes respectively. Both pipes being opened, when must the first pipe be turned off so that the cistern may be filled in 10 minutes more?
- After 10 minutes
 - After 12 minutes
 - After 20 minutes
 - After 8 minutes
- 4) A man travels 400 kms in 4 hours partly by air and partly by train. If he had travelled all the way by air, he would have saved $\frac{4}{5}$ of the time he was in train and would have arrived his destination 2 hours early. Find the distance he travelled by train.
- 95 km
 - 85 km
 - 90 km
 - 100 km
- 5) A man standing on a 170m long platform watches that a train takes $7\frac{1}{2}$ seconds to pass him and 21 seconds to cross the platform. Find the speed of train.
- $12\frac{16}{27}$ m/sec
 - 12.5 m/sec
 - $12\frac{13}{27}$ m/sec
 - None of these
- 6) A person can row a boat d km upstream and the same distance downstream in $5\frac{1}{4}$ hours. Also he can row the boat $2d$ km upstream in 7 hours. He will row the same distance downstream in



- a) $3\frac{1}{2}$ hours
b) $3\frac{1}{4}$ hours
c) $4\frac{1}{4}$ hours
d) 4 hours
- 7) $a^{\frac{1}{3}} = 11$, then the value of $a^2 - 331a$ is
a) 1331331
b) 1331000
c) 1334331
d) 1330030
- 8) The value of $(1^3 + 2^3 + 3^3 + \dots + 15^3) - (1 + 2 + 3 + \dots + 15)$
a) 14280
b) 14400
c) 12280
d) 13280
- 9) Find the ratio of simple interest to compound for 2 years at 4% per annum, compounded yearly in case of compound interest?
a) 50 : 53
b) 50 : 51
c) 49 : 50
d) 48 : 53
- 10) Divide rupees 6800 into two parts so that SI on the first part for $3\frac{1}{3}$ years at 6% may be equal to the interest on the second part for $3\frac{1}{2}$ years at 4% per annum.
a) Rs 2600 : Rs 4200
b) Rs 2800 : Rs 4000
c) Rs 2500 : Rs 4300
d) Rs 2700 : Rs 4100
- 11) Who has taken over the charge as Chairman of Ordnance Factory Board (OFB)?
a) Hari Mohan
b) Chhaya Sharma
c) Pradeep Dash
d) Anup Singh
- 12) By defeating which team, Indian women's volleyball team has won gold medal at 13th South Asian Games Kathmandu?
a) Sri Lanka
b) Maldives
c) Pakistan
d) Nepal
- 13) Who has been selected as the President of Asian Development Bank (ADB)?
a) Masatsugu Asakawa
b) David Malpass
c) Anushula Kant
d) Krishtalina Georgieva
- 14) Who will become the first woman match referee to oversee a men's ODI match between the UAE and USA at Sharjah
a) G S Lakshmi
b) Gita Gopinath
c) Gita Mittal
d) Shivangi

15) Priyam Garg captained India's under – 19 ICC Cricket World Cup in South Africa. He is from which state?

- a) Rajasthan
- b) Kerala
- c) Uttar Pradesh
- d) Gujarat

16) The total of the ages of Amar, Akbar and Anthony is 80 years. What was the total of their ages three years ago?

- a) 71 years
- b) 72 years
- c) 74 years
- d) 77 years

17) 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

18) 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 and D
- b) Between B and C
- c) Between E and D
- d) Between C and E

19) Six friends P, Q, R, S, T and U are sitting around the hexagonal table each at one corner and are facing the centre of the hexagonal. P is second to the left of U. Q is neighbour of R and S. T is second to the left of S.

Which one is sitting opposite to P?

- a) R
- b) Q
- c) T
- d) S

20) CUP : LIP :: BIRD : ?

- a) Bush
- b) Grass
- c) Forest
- d) Bear

ALL THE BEST

JAI HIND