

AFCAT – 1/2020

DAY – 1

- 1) A and B can do a piece of work in 8 days, B and C can do it in 24 days, while C and A can do it in $8\frac{4}{7}$ days. In how many days can C alone do it?
- 60 days
 - 40 days
 - 30 days
 - 10 days
- 2) Two numbers are in the ratio 3:4. The product of their HCF and LCM is 2028. The sum of the numbers is
- 68
 - 72
 - 86
 - 91
- 3) The average runs scored by a cricketer in 10 innings are X. He plays his next innings and scores 128 runs. This increases the average by 8 runs. What is his new average?
- 48
 - 52
 - 55
 - 60
- 4) Two trains start from a certain place on two parallel tracks in same direction. The speed of the trains is 45km/hr and 40 km/hr respectively. The distance between the two trains after 45 minutes will be
- 2km 500m
 - 2km 750m
 - 3km 750m
 - 3km 250m
- 5) If $a:b = \frac{2}{9} : \frac{1}{3}$, $b:c = \frac{2}{7} : \frac{5}{14}$ and $d:c = \frac{7}{10} : \frac{3}{5}$ then $a : b : c : d$ is
- 4 : 6 : 7 : 9
 - 16 : 24 : 30 : 35
 - 8 : 12 : 15 : 7
 - 30 : 35 : 24 : 16
- 6) A boat goes 60km upstream in 12hours and 39km downstream in 6.5hours. The speed of the boat in still water is
- 6.5km/hr
 - 5.5km/hr
 - 6km/hr
 - 5km/hr
- 7) Rs 12,000 become Rs 14,400 in 4 years at a certain rate of simple interest. If the rate becomes 1.5 times of itself, the amount of the same principal in 5years will be
- Rs 15,500
 - Rs 15,000
 - Rs 16,500
 - Rs 16,000



- 8) $\frac{1}{10}$ th of a tank is full and if 30 litre water is poured in then $\frac{2}{5}$ th tank is full. Find the capacity of the tank?
- 50 litres
 - 75 litres
 - 100 litres
 - 125 litres

- 9) The compound interest on Rs 24000 at 10% per annum for $1\frac{1}{2}$ years. Interest being compounded semi – annually is
- Rs 3783
 - Rs 3777
 - Rs 3780
 - Rs 3781

- 10) The cost price of 36 books is equal to the selling price of 30 books. The gain percent is
- $16\frac{4}{6}\%$
 - $82\frac{2}{6}\%$
 - 18%
 - 20%

From questions 11 – 12, select the related pairs from the given alternatives:

- 11) Ignominy : Disloyalty :: ? : ?
- Death : Victory
 - Martyr : Man
 - Fame : Heroism
 - Destruction : Victory

- 12) Editor : Magazine :: ? : ?
- Novel : Writer
 - Poem : Poet
 - Chair : Carpenter
 - Director : Film

- 13) Pick the Odd one out.
- Othello
 - King Lear
 - Oliver Twist
 - Macbeth

- 14) Pick the Odd one out.
- Annoy
 - Distress
 - Harass
 - Ravage

- 15) Pick the Odd one out.
- Assam
 - Mizoram
 - West Bengal
 - Nagaland

- 16) Who was the founder of Tughlaq Dynasty?
- Ghazhi – ud – din Tughlaq
 - Firoz – ud – din Tughlaq
 - Mohammad bin Tughlaq
 - Siraj – ud – din Tughlaq

- 17) The image formed by a plane mirror is
- Real
 - Virtual
 - Both (a) and (b)
 - None of these



18) Where is the Head Quarters of World Health Organization located?

- a) Paris, France
- b) Geneve, Switzerland
- c) Montreal, Canada
- d) New York, USA

19) Which state won the film friendly award at the 66th National Film Awards?

- a) Tamil Nadu
- b) Maharashtra
- c) Kerala
- d) Uttarkhand

20) What is the Mascot of Tokyo Summer Olympics 2020?

- a) Miraitowa
- b) Someity
- c) Black Bug
- d) Waldi

ALL THE BEST

JAI HIND

