



AFCAT – 1/2020

DAY – 2

- 1) 3 men and 4 boys can complete a piece of work in 12 days. 4 men and 3 boys can do the same work in 10 days. Then 2 men and 3 boys can finish the work in
- a) $17\frac{1}{2}$ days
b) $5\frac{5}{11}$ days
c) 8 days
d) 22 days
- 2) Of the three numbers, second is twice the first and is also thrice the third. If the average of the three numbers is 44, find the largest number?
- a) 71
b) 72
c) 73
d) 74
- 3) A truck travels at a speed of 90 km/hr for the first $1\frac{1}{2}$ hours. After that it travels at 70 km/hr. Find the time taken by the truck to travel 310 kilometres.
- a) 2.5 hours
b) 3 hours
c) 3.5 hours
d) 4 hours
- 4) Three numbers are in the ratio 2 : 5 : 7 and the sum of their cubes is 4500. The smallest number is
- a) 4
b) 5
c) 6
d) 10
- 5) Two pipes A and B can fill a tank in 36 minutes and 45 minutes respectively. Another pipe C can empty the tank in 30 minutes. First A and B are opened. After 7 minutes, C is also opened. The tank is filled up in
- a) 39 minutes
b) 46 minutes
c) 40 minutes
d) 45 minutes
- 6) If the profit on selling an article for Rs 425 is the same as the loss on selling it for Rs 355, then the cost price of the article is
- a) Rs 410
b) Rs 380
c) Rs 400
d) Rs 390
- 7) The simple interest on a certain sum at 5% per annum for 3 years and 4 years differ by Rs 42. The sum is
- a) Rs 210
b) Rs 280
c) Rs 750
d) Rs 840



8) A sum of Rs 8000 will amount to Rs 8820 in 2 years if the interest is calculated every year. The rate of compound interest is

- a) 6%
- b) 7%
- c) 3%
- d) 5%

9) If the price of a book is first decreased by 25% and then increased by 20%, the net change in the price of the book will be

- a) 10% decrease
- b) 5% decrease
- c) No change
- d) 5% increase

10) The numerator of a fraction is increased by 20% and denominator is decreased by 20%. The value of the fraction becomes

$\frac{4}{5}$. The original fraction is

- a) $\frac{2}{3}$
- b) $\frac{8}{15}$
- c) $\frac{7}{11}$
- d) $\frac{4}{5}$

From questions 11 – 13, select the related words from the given alternatives:

11) Paw : Cat :: Hoof : ?

- a) Lamb
- b) Horse
- c) Elephant
- a) Lion

12) Parts : Strap :: Wolf : ?

- a) Fox
- b) Animal
- c) Wood
- a) Flow

13) Quack : Duck :: Bellows : ?

- a) Cat
- b) Frog
- c) Bull
- d) Fox

14) In a certain code MOTHER is written as PQXIJT. How will PAPER be written in the same code?

- a) SCTGW
- b) SWGTC
- c) STCGW
- a) SGTCW

15) After walking 6km, I turned right and covered a distance of 2km, then turned left and covered a distance of 10km. In the end, I was moving towards the North. From which direction did I start my journey?

- a) North
- b) South
- c) East
- a) West

16) The Indus Valley civilization can be said to belong to the

- a) Paleolithic Age



- b) Primitive Age
- c) Neolithic Age
- d) Bronze Age

17) What is known as “Kitchen of the Cell”?

- a) Chlorophyll
- b) Chloroplast
- c) Mitochondria
- d) Cellulose

18) Where was the NATO summit 2019 held?

- a) Brussels, Belgium
- b) Warsaw, Poland
- c) London, UK
- d) Paris, France

19) What is the theme for International Day for Biological Diversity 2019?

- a) Our Biodiversity, Our Health.
- b) Our Biodiversity, Our Food.
- c) Our Food, Our Health.
- d) Our Biodiversity, Our Food, Our Health.

20) Where was the FIFA women’s world cup 2019 held?

- a) Argentina
- b) USA
- c) Netherlands
- d) France

ALL THE BEST

JAI HIND

