K21U 4745

Reg. No. : ....

Name : ....

V Semester B.A./B.Sc./B.Com./B.B.A./B.B.A. (T.T.M.)/B.B.A. (R.T.M.)/
B.B.M./B.T.T.M./B.C.A./B.S.W./B.A. Afsal-Ul-Ulama/B.B.A. (AH) Degree
CBCSS (OBE) – Regular Examination, November 2021
(2019 Admission Only) Open Course
5D02 MAT : QUANTITATIVE ARITHMETIC AND REASONING

Time : 2 Hours

Max. Marks : 20

SECTION – A

Answer **any 4** questions. **Each** question carries **1** mark.   (4×1=4)

1. Find the average of first 40 natural numbers.

2. Divide Rs. 672 in the ratio 5:3.

3. A man bus an article for Rs. 27.50 and sells it for Rs. 28.60. Find his gain percent.

4. A man can row upstream at 7 kmph and down stream at 10 kmph. Find man's rate in still water.

5. How many minute does aditya take to cover a distance of 400m if he runs at speed of 20km/hr ?

SECTION – B

Answer **any 6** questions. **Each** question carries **2** marks.   (6×2=12)

6. The ages of two persons differ by 16 years. If 6 years ago, the elder one be 3 times as old as the younger one, find their present ages.

7. If $x : y = 3 : 4$, find $(4x + 5y) : (5x - 2y)$.

8. If 15 toys cost 234, what do 35 toys cost ?

9. Nine persons went to a hotel for taking their meals. Eight of them spent Rs. 12 each on their meals and the ninth spent Rs. 8 more than the average expenditure of all the nine. What was the total money spent by them ?

P.T.O.

10. Varun's age after 15 years will be five times his age 5 years back. What is the present age of Varun ?

11. A and B together can complete a piece of work in 4 days. If A alone can complete the same work in 12 days, in how many days can B alone complete that work ?

12. A man travelled from the village to the post-office at the rate of 25 kmph and walked back at the rate of 4 kmph. If the whole journey took 5 hours 48 minutes, find the distance of the post office from the village.

13. A cyclist covers a distance of 750 m in 2 min 30 sec. What is the speed in km/hr of the cyclist ?

14. A train 100 m long is running at the speed of 30 km/hr. Find the time taken by it to pass a man standing near the railway line.

15. At what time between 2 and 3 o'clock will the hands of a clock be together ?

SECTION – C

Answer **any one** question. **Each** question carries 4 marks. (4×1=4)

16. An article is sold at certain price. By selling it at 2/3 of that price one loses 10 percentage. Find the gain percent at original price.

17. What was the day of the week on 15th August, 1947 ?

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