K18U 1614

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 Degree (CBCSS – Reg./Sup./Imp.) Examination, November 2018

(2014 Admn. Onwards)

Open Course

5D03 MAT : QUANTITATIVE ARITHMETIC AND REASONING

Time : 2 Hours

Max. Marks : 20

SECTION – A

All the first 4 questions are **compulsory**. Each question carry 1 mark. (1×4=4)

1. The average of first five multiples of 3 is _____

2. If pen is purchased at Rs. 15 and it is sold for 5% profit, what is the selling price ?

3. A car is running at the speed of 90 kmph. What distance will it cover in 30 seconds ?

4. If January 2007 was a Monday, what day of the week lies in January 1, 2018 ?

SECTION – B

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

5. A man is 24 years older than his son. In two years, his age will be twice the age of his son. What is the present age of the son ?

6. Divide 672 in the ratio 5 : 3.

7. If 5 toys cost Rs. 234, what is 35 toys cost ?

8. A can finish a work in 18 days and B can do the same work in half the time taken by A. Then working together, what part of the same work they can finish in a day ?

P.T.O.

9. A man in a train notices that he can count 21 telephone posts in one minute. If they are known to be 50 metres apart, then at what speed is the train travelling ?

10. A man can row upstream at 7 kmph and downstream at 10 kmph. Find man's rate in still water and the rate of current.

11. How many times in a day, the hands of a clock are straight ?

12. In how many ways, a committee of 5 members can be selected from 6 men and 5 ladies, consisting of 3 men and 2 ladies ?

13. What is the angle of elevation of the sun when the length of the shadow of a tree is $\sqrt{3}$ times the height of the tree ?

SECTION – C

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

14. Rohit was 4 times as old as his son 8 years. After 8 years, Rohit will be twice as old as his son. What are their present ages ?

15. A train running at 54 kmph takes 20 seconds to pass a platform. Next it takes 12 seconds to pass a man walking at 6 kmph in the same direction in which the train is going. Find the length of the train and length of the platform.

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