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./BBA (AH)/B.S.W./B.A.Afsal Ul Ulama**

**Degree (CBCSS- Reg./Sup./Imp.) Examination, November-2019**

**(2014 Admn. Onwards)**

**OPEN COURSE**

**5D03 MAT: QUANTITATIVE ARITHMETIC AND REASONING**

Time : 2 hrs                                                                 Max. Marks : 20

## SECTION - A

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

1   The average of first 10 natural numbers is .......

2.   A man bought apples for Rs.100.What should be his selling price if he wants to obtain 50% profit.

3.   If 10 toys cost Rs.160,what do 25 toys cost?

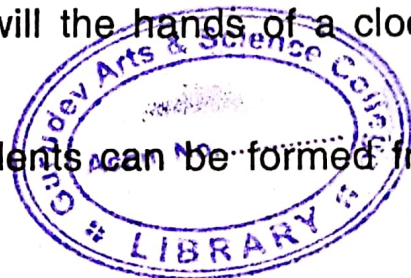4.   Find the value of $10C_2$

## SECTION - B

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

5.   If the average of four consecutive even number is 27, find the largest of these numbers.

6.   At present the age of John is 40 and the age of his son is 10. After how many years the sum of their ages will becomes 64.

P.T.O.

7. A radio was sold for Rs.990 with a profit of 10% . If it was sold for Rs.945 what would be the percentage of profit or loss?

8. Divide 344 in the ratio 5:3

9. A cyclist covers a distance of 600 meters in 90 seconds. What is his speed in kilometer/hr?

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

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

12. In how many ways a committee of 5 students can be formed from a class of 40 students?

13. If the height of a tree is $3\sqrt{3}$ meters and the length of it's shadow is 3 meters. Find the angle of elevation of the sun.

## SECTION-C

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

14. Of the three numbers first is thrice of third and second is half of the third. If the average of these three numbers is 15 find the smallest number.

15. On what dates of July 2004, did monday fall?

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