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 – Reg./Sup./Imp.) Examination, November 2020 (2014 Admn. Onwards) Open Course 5D01STA – BASICS OF STATISTICS

Time : 2 Hours   Max. Marks : 20

Instruction : Use of calculator is permitted.

PART – A
(Short Answer)

Answer **all** the **6** questions :   (6×1=6)

1. Distinguish between primary and secondary data.

2. List out the various stages of planning a statistical enquiry.

3. What is classification ? What are its objectives ?

4. Write a note on continuous frequency distribution.

5. Distinguish between absolute and relative measures of dispersion.

6. Define Arithmetic mean. Find the mean for the following data :

Class :	0 – 10	10 – 20	20 – 30	30 – 40
f :	3	6	8	13

PART – B
(Short Essay)

Answer **any 4** questions :   (4×2=8)

7. What is meant by Statistics ? Discuss its scope.

8. Describe the various phases in executing a statistical enquiry.

9. Describe the different methods used for collecting primary data.

10. Calculate the Geometric mean and Harmonic mean for the following data :

x :	11	12	13	14	15
f :	2	7	5	3	4

11. Briefly explain the basic principles for forming a frequency distribution.

12. Explain the various measures of positional averages. Under what situations would it be appropriate to use such measures.

PART – C
(Essay)

Answer **any 1** question : $(1 \times 6 = 6)$

13. Explain the various measures of dispersion. Point out their advantages and disadvantages. Which, according to you, is the best measure of dispersion ?

14. What do you mean by tabulation ? Describe briefly the different parts of a table. Discuss the functions and importance of tabulation. What precautions should be taken in tabulation of data ?

_____