



‘समानो यन्त्रः समितिः समानी’

**UNIVERSITY OF NORTH BENGAL**

BBA/B.Com. LL.B. Honours 1st Semester Examination, 2021

**BUSINESS STATISTICS**

**PAPER CODE: CC02**

Time Allotted: 3 Hours

Full Marks: 100

*The figures in the margin indicate full marks.*

*The students are advised to follow the word limit mentioned below strictly while answering questions.*

*The marks will be deducted if answers exceed word limit.*

*16-20 marks- 400 words / 10-15 marks- 300 words / 6-9 marks- 200 words / 2-5 marks- 100 words*

**Answer Question No. 7 and any four questions from the rest**

1. Define Mean, Median and Mode with examples. 6+6+8=20
2. The following is the distribution of a sample of 100 companies according to the profits earned by them in the last year. You are required to determine the mean profit earned. 20

Profits (in lacs of rupees)	Number of Companies
20-40	8
40-60	9
60-80	13
80-100	16
100-120	15
120-140	4

3. Define Qualitative and Quantitative data. Present the difference between two. 10+10=20
4. Find the probability that a card selected randomly from a deck would be either a red card or an ace. 20
5. What is Sampling? What are different types of Sampling? 6+14=20
6. A box contains 20 balls numbered consecutively from 1 to 20. A ball is selected at random. Find the probability that the number of ball is divisible by 5 or 7. 20

7. Answer any *four* short notes from the following:

5×4 = 20

- (a) Data
- (b) Primary Data
- (c) Independent Event
- (d) Population
- (e) Sampling
- (f) Indian Statistical Institute.

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