

[2]

45 – 49	2
40 – 44	3
35 – 39	5
30 – 34	9
25 – 29	6
20 – 24	4
15 – 19	1

4. Taking $i = 3$, group the following data

- Construct a frequency distribution using the class intervals. 3
- Find the cumulative frequencies of the frequency distribution in part (a). 4
- Calculate mean, median and mode from group frequency distribution : 8

24, 23, 25, 23, 30, 29, 28, 26, 33, 29, 24, 37, 25, 23, 22, 27, 28, 25, 31, 29, 25, 22, 31, 29, 22, 28, 27, 26, 23, 21, 25, 21, 25, 24, 22, 26, 25, 32, 26, 29.

Ex/CBCS/SOC/CO/4.2/2023

BACHELOR OF ARTS EXAMINATION, 2023

(2nd Year, 2nd Semester)

DEPARTMENT OF SOCIOLOGY

[Research Methods and Social Statistics - II]

Time : Two Hours

Full Marks : 30

Answer any *two* questions taking *one* from each module.

Answer *either* in English *or* in Bengali.

All questions carry equal marks.

Module – I

- Illustrate the different level of measurement of variables in social statistics with examples. 15
- How is a concept different from a variable? Elaborate in brief, the significance of operationalization of variables in social research with an appropriate example. 5+10=15

Module – II

- What is meant by measures of dispersion? Explain the advantage of using Standard Deviation over Mean Deviation. Calculate the standard deviation and variance for the following from the frequency distribution scores given below. 2+3+10=15

[Turn over