



DEPARTMENT OF CED

Mid Term Examination (Summer-2020)

Subject: Probability & Statistics
Instructor: Anwar Shamim

Duration: 4 Hours
Total Marks: 30

Note: Attempt all questions. Manage your time properly.

Q.No. (01) (5+5)

The following figure gives the number of children born to 50 women.

2	6	1	5	4	3	3	8	3	1
4	3	3	0	5	2	1	4	3	3
5	3	3	6	3	3	2	2	7	3
1	4	2	4	4	4	6	8	10	7
7	5	6	5	3	2	3	9	2	2

- i. Construct a Grouped & ungrouped frequency Distribution of these data?
- ii. Find Mode and Median from grouped & ungrouped frequency distribution?

Q.No. (02) (5+5)

The following is the distribution of wages per thousand employees in a certain factory.

Classes	2-4	6-8	10-12	14-16	18-20	22-24	26-28	30-32	34-36
F	3	13	6	10	5	3	5	3	2

Calculate all Quartiles and Deciles?

Q.No. (03) (2+2+2+2+2)

Define the following.

- (a) Random Statistics.
- (b) Inferential statistics.
- (c) Descriptive statistics.
- (d) Sources of Primary Data.
- (e) Nominal Scale.