

## IQRA NATIONAL UNIVERSITY, PESHAWAR

## **DEPARTMENT OF CED**

## Mid Term Examination (Fall-2020)

Subject: Probability & Statistics Duration: 180 Minutes

Instructor: Anwar Shamim Total Marks: 30

Semester: 5<sup>th</sup> Semester

Note: Attempt all questions. Manage your time properly.

Q.No. (01)

The following are the scores made by three batsmen A, B and C in a series of innings:

| A | 12 | 15 | 6  | 73  | 7   | 19  | 199 | 36  | 84 | 65 |
|---|----|----|----|-----|-----|-----|-----|-----|----|----|
| В | 3  | 13 | 43 | 102 | 175 | 220 | 204 | 139 | 69 | 30 |
| С | 5  | 14 | 36 | 105 | 99  | 20  | 15  | 96  | 13 | 45 |

Who is better as a run getter? Who is more consistent player? Which one player is more variate? Find the Empirical Relation for player A.

Q.No. (02)

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 Mean, Mode, and Median? Discuss the symmetrical and skewness characteristics.

Q.No. (03) (5) (CLO-1)

Discuss merits and demerits of Median and Geometric mean.