



Q1: A// Define the followings: (10 Marks)

- 1- Descriptive statistics 2- Nominal Data 3- Snowball sampling 4- Census method 5- Sample

B// Explain (Stratified random sampling) in detail (give an example). (10 Marks)

Q2: A//The following data represents the types of laptops used by (26) students: (10 Marks)

| | | | | | | | | | | | | |
|------|--------|------|--------|--------|------|----|------|--------|--------|--------|--------|------|
| HP | Lenovo | Dell | HP | Dell | Dell | HP | Sony | Lenovo | Sony | Lenovo | Dell | Dell |
| Dell | Sony | HP | Lenovo | Lenovo | Sony | HP | Dell | Dell | Lenovo | Sony | Lenovo | Sony |

- 1-Create a simple table frequency. 2- Find Percentage. 3- Draw Pi Chart 4- Draw Bar-chart

B// The following table represents Years of teaching and their frequency(fi). (10 Marks)

- Find: 1- P_{75} 2- Draw polygon 3- Variance 4- Mode

| | | | | | |
|--------------|---------------|----------------|----------------|---------------|----------------|
| Class | 5 - 10 | 10 - 15 | 15 - 20 | 20- 25 | 25 - 30 |
| fi | 16 | 3 | 8 | 10 | 12 |

Q3: Calculate the coefficient of correlation from the following data and explain the result: (10 Marks)

| | | | | | | |
|----------|----|----|----|----|----|----|
| X | 10 | 20 | 30 | 40 | 50 | 60 |
| Y | 60 | 55 | 40 | 30 | 25 | 20 |

Q4: What is empirical relationship between Mean, Median & Mode? Explain it graphically by using the following data: **65, 75, 80, 76, 90, 65** (10 Marks)

Examiner: Dr. Dler Mustafa Khidhr