

## HOME ASSIGNMENT, APRIL, 2024

Subject: Economics

Semester: 4<sup>th</sup> Semester (Honours)

Paper: ECO-SE-4014: Data Analysis

Full Marks: 25

Last Date of Submission: 5<sup>th</sup> May, 2024

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1. Answer the followings:

1 X 4 = 4

- What do you mean by mode?
- Write one limitation of arithmetic mean (AM).
- Why is quartile termed as a positional average?
- What is the relationship between Mean, Median and Mode?

2. An incomplete distribution is given below:

5 + 5 = 10

Marks	0-10	10-20	20-30	30-40	40-50	50-60	60-70
No of Students	10	20	?	40	?	25	15

- You are given that the median value is 35. Find out the missing frequency (given the total frequency = 170)
- Calculate the arithmetic mean of the completed table.

3. Find the modal value from the following data:

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Class Group	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90
Frequency	5	9	13	21	20	15	8	3

4. Calculate missing frequency from the following data:

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Marks	0-10	10-20	20-30	30-40	40-50	50-60
No of Students	5	15	20	?	20	10

The arithmetic mean is 34 marks.