

- (c) Calculate standard deviation from the following data :

Sales (in, 000)	No. of days
10 – 20	3
20 – 30	6
30 – 40	11
40 – 50	3
50 – 60	2

5. Attempt any four parts of the following : $5 \times 4 = 20$

- (a) What do you mean by Incremental Cost? Give an example.
- (b) Explain cluster sampling.
- (c) Write down any five characteristics of primary data.
- (d) If

$$A = \begin{bmatrix} 3 & 0 \\ -7 & 4 \end{bmatrix} \text{ and } B = \begin{bmatrix} -5 & 7 \\ 4 & 3 \end{bmatrix}$$

find $A + B$.

- (e) Explain range as a measure of dispersion along with the formula.
- (f) Write down the use of statistics in economics along with suitable examples.

No. of Printed Pages : 04

Following Paper ID and Roll No. to be filled in your Answer Book.

PAPER ID : 9227

Roll
No.

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Int. LLB Examination 2017-18

(Fifth Semester)

ECONOMICS - V

Time : Three Hours]

[Maximum Marks : 100

Note :- Attempt all questions.

1. Attempt any four parts of the following : $5 \times 4 = 20$

- (a) Differentiate between random sampling and non random sampling.
- (b) Explain the theory of probability.
- (c) Explain the multiplicative model of time series along with formula.
- (d) What do you mean by Co-variance? Write down formula also.
- (e) What do you mean by Linear Regression?

(f) Explain median. What are its merits and demerits?

2. Attempt any four parts of the following : $5 \times 4 = 20$

(a) Explain the additive model of time series analysis with formula.

(b) Solve

$$6x^2 - 24 = 0$$

(c) Write down formulas for any five methods of weighted aggregative numbers.

(d) Calculate mean from the following data :

2, 5, 7, 10, 5, 4, 3

(e) Write down the components of time series.

(f) What do you mean by Mean Deviation?

3. Attempt any two parts of the following : $10 \times 2 = 20$

(a) What is Trend Analysis? How many types of trends are there?

(b) What do you mean by Correlation Analysis? What are the types of correlation?

(c) Following is the data of IQ of a person and the number of hours spent in front of TV per week :

IQ	Hours of TV per week
106	7
86	0
100	27
101	50
99	28
103	29
97	20
113	12
112	6
110	17

Calculate Spearman's rank correlation coefficient.

4. Attempt any two parts of the following : $10 \times 2 = 20$

(a) Define regression analysis. Write down regression equation and their use.

(b) Explain Index Number. Write down all the types of index numbers in brief.