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

PAPER ID : 9227   Roll No. [ ][ ][ ][ ][ ][ ][ ][ ][ ]

Int. LLB Examination 2016-2017

(Fifth Semester)

ECONOMICS - V

Time : 3 Hours]   *[Maximum Marks : 100*

Note :–   Attempt all questions.

1. Attempt any four parts of the following :   5×4=20

    (a)   Define statistics and explain its characteristics.

    (b)   What is Sampling?

    (c)   Write a short note on the theory of probability.

    (d)   What is meant by Primary Data?

    (e)   What are variables?

    (f)   What is frequency distribution?

2. Attempt any four parts of the following :   5×4=20

    (a)   Solve

$$2x^2 - 8 = 0$$

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   (b) What is Null Matrix?

   (c) What is Time Series?

   (d) What is meant by Mode?

   (e) What is Consumer's Surplus?

   (f) If two regression co-efficients are 0.8 and 0.7, what would be the value of r?

3. Attempt any two parts of the following :   10×2=20

   (a) What is the concept of measures of central tendency? What are its objectives?

   (b) Why do we study probability? Explain its need and relevance.

   (c) If

$$A = \begin{bmatrix} 2 & 0 \\ -5 & 6 \end{bmatrix} \text{ and } B = \begin{bmatrix} -3 & 6 \\ 4 & 1 \end{bmatrix}$$

      find $A + B$.

4. Attempt any two parts of the following :   10×2=20

   (a) Calculate mean from the following series :

Wages (Rs.)	0-10	10-20	20-30	30-40	40-50
No. of wages	8	12	20	6	4

   (b) Construct with the help of data given below, Fisher's ideal index number and show it satisfies the time reversal test :

Item	Base Year		Current Year	
	Price	Quantity	Price	Quantity
A	6	50	10	56
B	2	100	2	120
C	4	60	6	60
D	10	30	12	24
E	8	40	12	36

   (c) Calculate Karl Pearson's correlation co-efficient from the following data :

x	11	10	9	8	7	6	5
y	20	18	12	8	10	5	4

5. Attempt any four parts of the following :   5×4=20

   (a) Find the mode from the following data :

      28, 16, 18, 13, 15, 16, 26, 15, 16, 18

   (b) Explain in brief the relation between marginal and average cost.

(c) Three passengers enter in a 1st class compartment of frontier mail and find that there are five seats. In how many ways can they take their seats?

(d) What is meant by Dispersion?

(e) What is Mean Deviation?

(f) Calculate quartile deviation from the following observations :

      15   20   20   21   22   23   24

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