

Commodity	1985		1995	
	Price	Quantity	Price	Quantity
A	12	120	20	120
B	4	200	4	240
C	8	120	12	150
D	20	60	24	50

6. (a) Explain the meaning and significance of the concept correlation :
- (b) Obtain both regression equation from the following information

	X series	Y series
Mean	18	100
Standard deviation	14	20

Co-efficient of correlation between x and y series = +0.8.

- (c) From the following data given below, find the regression equation using the method of least square.

x	4	4	5	6	3
y	2	5	3	2	3

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

PAPER ID : 29251

Roll
No.

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Int LLB Examination 2017-2018

(Fifth Semester)

ECONOMICS - V

Time : Three Hours]

[Maximum Marks : 60

Note :- Attempt all questions.

SECTION - A

- Attempt all parts of the following. Indicate whether the statements are true or false : $8 \times 1 = 8$
 - All facts numerically expressed are statistics.
 - Not a datum, but data are the subject matter of statistics.
 - In India population statistics is collected by sampling method after every ten years.
 - Classification and tabulation are complementary to each other.
 - The sum of deviation from median is equal to zero.

- (f) Mode can not be ascertained graphically.
- (g) Correlation coefficient can be calculated only when the two variables are measured in same unit.
- (h) Quartile deviation is $\frac{Q_3 - Q_1}{2}$.

SECTION - B

2. Attempt any two parts of the following : $6 \times 2 = 12$

- (a) Define statistics and explain its characteristics.
- (b) What is meant by primary and secondary data? What are the difference between primary and secondary data?
- (c) What do you understand by contral tendency? What are the merits and demerits of arithmetic mean?
- (d) Calculate Q_1 and Q_3 from the following data
6, 9, 12, 8, 14, 13, 10, 8, 11.

SECTION - C

Note :- Attempt all questions. Attemp two parts from each question. $8 \times 5 = 40$

3. (a) Define sampling? What are the essentials of a good sample.

- (b) What is statistical investigation? Discuss the main type of statistical unit.
- (c) Mention the main sources of secondary data. What precautions should be taken in using secondary data?
4. (a) Write a short note on central statistical organisation.
- (b) Discuss the organisation, function and procedure of national sample survey organisation.
- (c) Calculate median from following data :

Marks (below)	10	20	30	40	50	60	70	80	90
No. of students	20	44	76	104	126	144	182	192	200

5. (a) Explain merits and demerits of standard deviation.
- (b) Obtain Karl Pearson's coefficient of skewness from the following observation :
82, 87, 93, 109, 124, 126, 130, 118, 106, 105
- (c) From the following data find out price index number by Fisher Ideal formula for 1995 based on 1985.