

SCHOOL OF PLANNING AND ARCHITECTURE, VIJAYAWADA

SEMESTER END EXAMINATIONS (SUPPLEMENTARY),
DECEMBER-2015

B.Planning, I YEAR I SEMESTER

BPLN105: QUANTITATIVE METHODS FOR PLANNING

Maximum Marks – 50

Time – 2.00 Hours

- a) Answer any Two questions out of 1 to 4 questions.
b) Question No.5 is compulsory and answer any four out of six sub-questions.

Q1. Compute the Mean, Median, Mode, Standard deviation and co-efficient of variation for the following frequency (15M) distribution:

Wages in (Rs.)	No. of labourers
20-30	7
30-40	8
40-50	25
50-60	30
60-70	20
70-80	25
80-90	27
90-100	35

Q2. Calculate Karl Pearson's Co-relation Co-efficient between (15M) price and supply and intrepert it:

Prices	Supply
10,000	5
15,000	10
20,000	15
25,000	20
30,000	25
35,000	30
38,000	32

- Q3. Find the two regression equations from the following data (15M) and estimate the Yield for rainfall of 12 inches:

Rainfall (inches)	Yield (in tons)
3	4
4	5
5	6
6	7
7	9
8	10
9	11
10	12
11	14

- Q4. Explain probability, probability function and different types of Random Variables with examples. (15M)

- Q5. Write short notes on the following: (4x5=20M)

- Types of Table.
- Pictogram and Cartogram.
- Classification and Tabulation of data.
- Importance of Sampling.
- Types of Diagram.
- Properties of Regression.
