[LH 4255]   **AUGUST 2015**   Sub. Code: 4255

B.PHARM. DEGREE EXAMINATION
FIRST YEAR
PAPER V – BIOSTATISTICS AND COMPUTER APPLICATIONS
Q.P. Code: 564255

Time : Three Hours   **Maximum : 100 marks**

Answer Section A and B in SEPARATE Answer Book.
SECTION - A (BIOSTATISTICS)

I. Essay: **(1 x 20 = 20)**

1. Calculate correlation coefficient and regression coefficient for following data:

X	2	4	6	8	10	12	14
Y	4	2	5	10	4	11	12

II. Short notes :   **(4 x 5 = 20)**

1. In an examination five students obtained following score in computer science.
   5, 7, 9, 13, 16
   Find Standard Deviation.
2. Discuss the different methods of sampling. Explain their merits.
3. What is an Ogive or a cumulative frequency curve? Explain with example.
4. Calculate the mean from the following data:

X	10	12	13	18	19	20	19	30
Y	8	12	6	3	19	13	17	4

III. Short answers: **(5 x 2 = 10)**

1. Define Standard Deviation.
2. Define Regression.
3. Define frequency polygon.
4. Exhaustive event.
5. Define Dispersion.

SECTION - B (COMPUTER APPLICATIONS)

I. Essay: **(1 x 20 = 20)**

1. a) Explain various types of networks, network topology.
   b) Explain **scanf** and **printf** functions.

II. Short notes :   **(4 x 5 = 20)**

1. Explain different paragraph formatting in MS WOR
2. Explain any five string manipulation functions in C.
3. With a neat diagram explain the Basic Components of Computers.
4. Explain different types of memories.

III. Short answers: **(5 x 2 = 10)**

1. List any four MS DOS Commands.
2. Keyboard shortcuts for Bold, Italics, underline and Print in MS WOR
3. Define Compiler
4. Define Identifier?
5. Define virus.

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