

**FIRST YEAR B.PHARMACY EXAMINATION
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)

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

X	10	12	13	18	19	20	29	30
F	8	12	6	3	19	13	17	4

III. Short answers:

(5 x 2 = 10)

- Define Standard Deviation.
- Define Regression.
- Define frequency polygon.
- Exhaustive event.
- Define Dispersion.

SECTION - B (COMPUTER APPLICATIONS)

I. Essay:

(1 x 20 = 20)

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

II. Short notes:

(4 x 5 = 20)

- Explain different paragraph formatting in MS WORD.
- Explain any five string manipulation functions in C.
- With a neat diagram explain the Basic Components of Computers.
- Explain different types of memories.

III. Short answers:

(5 x 2 = 10)

- List any four MS DOS Commands.
- Keyboard shortcuts for Bold, Italics, underline and Print in MS WORD.
- Define Compiler
- Define Identifier?
- Define virus.
