

(LG 4255)

FEBRUARY 2015

Sub Code: 4255

**B.PHARM. 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 the correlation coefficient from the following data.

X:	12	9	8	10	11	13	7
Y:	14	8	6	9	11	12	3

II. Short notes:

(4 x 5 = 20)

1. A bag contains 7 red balls and 5 white balls. FOUR balls are drawn at random. What is the probability that
 - a) All of them are red
 - b) Two of them are red and two white.
2. Calculate the standard deviation from the following data.
14 22 9 15 20 17 12 11
3. A sample of size 400 was drawn and the sample mean was found to be 99. Test whether this sample could have come from a normal population with mean 100 and variance 64 at 5% level of significance.
4. Explain any two methods of sampling.

III. Short answers:

(5 x 2 = 10)

1. Chi square test
2. Histogram
3. Scatter diagram
4. Dispersion
5. Hypothesis

**SECTION - B
(COMPUTER APPLICATIONS)**

I. Essay:

(1 x 20 = 20)

1. Explain all types of operators used in C program.

II. Short notes:

(4 x 5 = 20)

1. Write a note on algorithm and flowchart.
2. Explain the advantages of MS-OFFICE package.
3. Define network. Explain the types and uses.
4. Explain the various components of CPU.

III. Short answers:

(5 x 2 = 10)

1. Multimedia
2. URL
3. Program
4. Protocol
5. WAN
