(LO 4255)   **FEBRUARY 2019**   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. Elaborate on: (1 x 20 = 20)

1. a) Calculate mean deviation about mean:

X	10	11	12	13
F	3	12	18	12

   b) In a vocal music contest, two judges rank 10 competitors in the following order:

Ranking A	6	4	3	1	7	9	8	10	5	2
Ranking B	4	1	6	7	8	10	9	3	2	5

What is the Coefficient of rank correlation?

II. Write notes on: (4 x 5 = 20)

1. Write about any two types of sampling methods.
2. What are the scope of statistics in medicine and pharmacy?
3. Discuss about bar diagram and Histogram.
4. Calculate Mean, Median, Mode for the following data :
   61, 62, 63, 61, 63, 64, 64, 60, 65, 63, 64, 65, 66, 64.

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

1. Define Geometric mean.
2. Define probability.
3. Secondary data.
4. Hypothesis.
5. Level of significance.

SECTION - B
(COMPUTER APPLICATION)

I. Elaborate on: (1 x 20 = 20)

1. Explain about decision making statements in 'C' language.

II. Write notes on: (4 x 5 = 20)

1. Discuss about any three storage devices.
2. Explain array with its types.
3. Discuss about the functions of operating system.
4. Briefly explain the mail merge concepts.

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

1. Define anti-virus.
2. Difference between RAM and ROM.
3. Define multimedia.
4. Modem.
5. Define ALU.

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