(LI 4255)   **FEBRUARY 2016**   Sub Code: 4255

FIRST YEAR B.PHARM. 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. Compute Mean, Standard Deviation, variance and co-efficient of variance for following data:

Marks	0 – 20	20 – 40	40 – 60	60 – 80	80 – 100	100 – 120	120 – 140	140 – 160
No. of students	45	20	10	6	3	8	4	4

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

1. If 3 books are selected at random from a shelf containing 4 Novels and 3 books on Poems and one dictionary. What is the probability that
   a) Dictionary is selected   b) Two novels one book on poem is selected
2. Distinguish between Primary and Secondary data.
3. Two judges in a beauty competition ranked the 12 entries as below:-

X	1	2	3	4	5	6	7	8	9	10	11	12
Y	12	9	6	10	3	5	4	7	8	2	11	1

   What degree of agreement is there between the judges?
4. Write down various measures of dispersion along with their advantages.

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

1. Define Random and Non Random experiment.
2. Define Positive and Negative Correlation.
3. Define Sample and give an example.
4. Define Tabulation in collection of data.
5. Define Harmonic mean.

SECTION - B
(COMPUTER APPLICATION)

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

1. a) Explain any five Input devices.
   b) C character set.
   c) How will you send and receive e-mail?

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

1. Explain switch statement with example.
2. Explain different types of Operating systems.
3. What are the uses of MS PowerPoint?
4. Define Internet. Explain various applications of Internet.

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

1. Define Multimedia.
2. List out the relational operators in C.
3. Define Token.
4. What is Browser? Give any two examples.
5. List any four secondary storage devices.

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