



(LL 4255)

**AUGUST 2017**

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. Calculate the standard deviation for the following data.

C.I:	0 – 10	10 – 20	20 – 30	30 – 40	40 – 50	50 – 60	60 – 70	70 – 80
F:	18	16	15	12	10	5	2	1

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

- Two dice are thrown. Find the probability that:
  - The total of the numbers on the dice is 8.
  - Both the dice show the same number.
- Draw a histogram from the following data and calculate the mode.

Size:	0 – 10	10 – 20	20 – 30	30 – 40	40 – 50
F :	10	14	19	17	13
- Write a note on scatter diagram.
- Explain any two methods of sampling.

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

- Correlation.
- Median.
- Range.
- Probability.
- Mutually exclusive events.

**SECTION - B****(COMPUTER APPLICATION)****I. Elaborate on:****(1 x 20 = 20)**

- a) What are the types of memory? Explain.
- b) Write about the secondary storage devices.

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

- What are the characteristics of a computer? Explain.
- Write a note on algorithm and flowchart.
- Write about system software and application software.
- Write a note on SWITCH statement.

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

- HTML.
- Software.
- Compile
- Spreadsheet.
- Scanner

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