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**FIRST B.PHARM. EXAM**

**Paper V – BIOSTATISTICS AND COMPUTER APPLICATION**

**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: (1X20=20)**

1. Twelve students were given intensive coaching and two tests were conducted in a month. Does the Scores from test 1 to 2 show an improvement? The scores of the tests are given below:

Marks in I test : 50 42 51 26 35 42 60 41 70 55 62 38

Marks in II test: 62 40 61 35 30 52 68 51 84 63 72 50

( $t_{0.05}$  for 11DF=2.20)

**II. Write notes on: (4X5=20)**

1. Find the Mean deviation about mean is 7 for the following data  
X: 15 10 7 5 3 2
2. Write Scope of statistical methods in Pharmacy
3. Write Characteristics of normal distribution
4. What are requisites of good Average?

**III. Short Answers: (5X2=10)**

1. Probability
2. Histogram
3. Primary data
4. Types of Errors
5. Systematic Sampling.

**SECTION - B  
(COMPUTER APPLICATION)**

**I. Elaborate on: (1X20=20)**

1. Explain about the functions used in C program and give examples.

**II. Write notes on: (4X5=20)**

1. Define operating system. What are types of Operating system
2. Explain memories used in operating system
3. What are the significance of MS-Excel and explain briefly
4. Define network and explain all types of Network.

**III. Short Answers: (5X2=10)**

1. Search engine
2. Mail merge
3. FTP
4. MS-DOS
5. Word pa

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