

(LQ 4255)

FEBRUARY 2020

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 Spearman's rank correlation coefficient between following marks given by two judges in series of eight one act plays in a drama competition.

Marks by Judge A	81	72	60	33	29	11	56	42
Marks by Judge B	75	56	42	15	30	20	60	80

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

1. What is primary Data? Discuss any two methods of collecting primary data Pointing out Merits and Demerits.
2. Discuss about Null hypothesis and alternative hypothesis.
3. Calculate Median

Class	0-20	21-30	31-40	41-50	51-60
Frequency	42	36	120	84	48

4. What is scope of statistics in Pharmaceutical Research?

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

1. What is meaning of Ogive graph?
2. Chi Square test.
3. Define Dispersion.
4. Histogram.
5. Hypothesis.

SECTION - B
(COMPUTER APPLICATION)

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

1. Describe about infrastructure of a computer system and various types of input and output devices.

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

1. Write short notes on MS-OFFICE package.
2. Discuss about memory of Computer system.
3. Define Network. Explain types of network.
4. Explain about any two types of decision making statements in C - Language.

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

1. MS-DOS.
2. Open Source Software.
3. ATM.
4. TCP/IP.
5. Bluetooth.
