



Time : Three hours
(180 Min)

Maximum : 100 marks

Answer Section A and Section B SEPARATELY

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

1. From the following data, calculate mean, median and mode 19 33 20

X	50-53	53-56	56-59	59-62	62-65	65-68	68-71	71-74	74-77
F	3	8	14	30	36	28	16	10	5

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

1. Distinguish between correlation and regression.
2. Write short notes on a) frequency polygon b) histogram.
3. The probability that A can solve a problem in Biostatistics is $\frac{4}{5}$, that B can solve it is $\frac{2}{3}$ and C can solve it is $\frac{3}{7}$. If all of them try independently, find the probability that the problem will be solve
4. What is the scope of statistics in pharmaceutical research?

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

1. Mention the different types of classification of data.
2. Define Statistics.
3. What is the probability of getting a head in tossing a coin?
4. Range as a measure of dispersion.
5. Type I and Type II errors.

SECTION B**(COMPUTER APPLICATIONS)****I. Elaborate on:****(1X20=20)**

1. What are arrays? Explain the different type of arrays with examples.

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

1. Explain briefly various types of memory.
2. Write the main functions of the central processing unit.
3. What is an input device? Mention some input devices.
4. Write a note on WAN.

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

1. Define flow chart.
2. Uses of MS excel.
3. Write a note on RAM.
4. Modem.
5. HTTP.