Biyani's Group of Girls' Colleges

**B.Sc. (Part-I)**

**Paper -I (Biostatistics & Computer Application)**

**Model Paper-A**

Time allowed : 3 Hrs Max. Marks : 100

Note : Attempt any five question in all. Select at least one from each unit. Each question carry equal marks

1. Compulsory Question
   - (i.) Draw a graphical representation with sub-divided bar diagram.
   - (ii.) Formula to calculate median for ordered & unordered data.
   - (iii.) Student T-Test was given by ..... in the .....
   - (iv.) Full names of ANOVA, RAID, ZIP & EEPROM.
   - (v.) Differentiate blue RAM & ROM.
   - (vi.) The storage device that stores the maximum data is .....
   - (vii.) Define grouping of data.
   - (viii.) Give uses of scanner.
   - (ix.) Give two examples of e-journals & e-books.
   - (x.) Name the file extension for a word file, Excel file & Powerpoint file.

**Section -A**

2. Explain various types of representaitions used for frequency distribution diagrams.

*or*

3. (a) Define graph & mention its types.
   (b) Mention types of statistical data

**Section -B**

4. Write notes on any two of the following :-
   (a) Mode & its calculation
   (b) Standard deviation & errors.
   (c) ANOVA & its types.

*or*

5. Explain student T-test. How do we evaluate data & analyze its significance using T-Test ?

**Section -C**

6. Describe different nature of storage devices & mention their significance.

*or*

7. Write notes on any two :-
   (a) Circuit boards of PC
   (b) Memory & its types
   (c) Types of processing of data

**Section -D**

8. Define operating system & its types. Give salient features of Word, Excel & PowerPoint.

*Or*

9. (a) Explain the retrieval of electronic resources through internet.
   (b) Describe the parameters required for internet awareness.

**B.Sc. (Part-I)**

**Paper -I (Biostatistics & Computer Application)**

**Model Paper -B**

Time allowed : 3 Hrs Max. Marks : 50

1. Compulsory questions
   (a) The various types of representation of data .
   (b) Formula to calculate mode for ordered & unordered data.
   (c) Name the different measure of central tendency.
   (d) Full form of ANOVA-I, RAM, DVD.
   (e) Differentiate b/w ANOVA-I & ANOVA-2,
   (f) Define chips.
   (g) Define quartiles.
   (h) Give uses of Internet
   (i) Give two examples of storage devices.
   (j) Function of computer system.

## Section -A

2. Define ANOVA & mention its types with example.

*Or*

3. Explain various types of means with formula.

## Section -B

4. Write notes on the following :-
   (a) Student T-test
   (b) ANOVA -2
5. (a) Define Bar diagram with example ?

   (b) The frequency distribution of a discrete variable (rate of reproduction of 50 fishes) is given in the table -

| Rate of Reproduction | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 |
|---|---|---|---|---|---|---|---|---|---|
| Frequency | 3 | 4 | 7 | 8 | 9 | 9 | 2 | 6 | 2 |

   Draw the line diagram.

## Section -C

6. Write short notes on the following
   (a) EPROM
   (b) Differentiate between EPROM & EEPROM

*Or*

7. (a) Differentiate between RAM & ROM
   (b) What are input & output devices. Discuss it with examples.