

Unit III

No. of Printed Pages : 04

Roll No.

6. (a) Enlist and explain different part of computer with special emphasis on software. **10**
- (b) Discuss application of internet in the field of Biotechnology.
7. Explain the following briefly : **5×3=15**
- (a) Flowchart
- (b) Assembler
- (c) Convert 64 to Binary Equivalent.
8. Discuss Desktop MS-Office software in detail highlighting its applications. **15**

18AA1956

M. Sc. EXAMINATION, May 2019

(First Semester)

(C Scheme) (Re-appear)

BIO-TECHNOLOGY

BT511MSC

Biostatistics and Biocomputing

Time : 3 Hours]

[Maximum Marks : 75

Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

Note : Attempt *Five* questions in all, selecting at least *one* question from each Unit. Q. No. **1** is compulsory. All questions carry equal marks.

1. Explain the following briefly (do any five) : **5×3=15**

- (a) Chi-square test
- (b) Histogram
- (c) LAN and WAN
- (d) Origin Pro
- (e) One Way ANOVA
- (f) LINUX
- (g) Output Devices.

Unit I

2. (a) What do you mean by Sampling ?
Explain the stratified sampling in detail. **7½**
- (b) Define Median, Mode and Mean.
Calculate the mean and median of the given data : **7½**
- 28, 32, 45, 54, 60, 61, 70, 63, 70, 72,
76, 54, 63, 76, 32, 54, 60, 45, 72, 98

3. Find the standard deviation and coefficient of variance for the following values of birth weights : **15**

2.5, 2.8, 2.5, 2.8, 3.3, 3.5, 3.2, 3.0, 2.9, 3.5

Unit II

4. Explain the meaning and calculation of Poission and Binomial distribution by citing suitable examples. **15**
5. Calculate the correlation coefficient for the following values of length (cm) and birth weight(g) of fishes and interpret. **15**

Length (cm)	Weight (g)
11.7	7.10
13.9	12.42
15.5	15.35
17.8	23.20
18.5	28.45
19.2	32.25
21	39.84