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Total No. of Pages : 02

Total No. of Questions : 09

B.Sc.(BT) (2014 to 2017) (Sem.-1)

BIOSTATISTICS

Subject Code : BSBTM-09

M.Code : 47031

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A**1. Write briefly :**

- a) What do you mean by Raw Data?
- b) Explain the notations $\bar{x}$, σ .
- c) Describe Relative dispersion.
- d) What are Ogives?
- e) Differentiate between Simple and Combined arithmetic mean.
- f) Define two-tailed test.
- g) What are Leptokurtic curves?
- h) Explain Cumulative Frequency.
- i) What do you mean by Geometric Mean?
- j) What are the pre-requisites of χ^2 test?

SECTION-B

2. Differentiate between Random sampling and Non - Random sampling.
3. The number of Basophils (a kind of WBC) of 30 patients of T.B. was recorded in frequencies. Calculate the Gemoetric Mean.

No. of Basophils	11	14	17	19	22
Frequencies	5	6	8	7	4

4. What do you mean by dispersion? Describe different types of dispersions.
5. What is analysis of variance? Explain the technique of analysis of variance for data with one-way classification.
6. What is χ^2 test? Enumerate the hypothesis on which it is based.

SECTION-C

7. What do you mean by Test of Significance of a Mean? Define Standard error of mean and Standard error of Standard Deviation.
8. What are the various ways to present the statistical data? Explain different types of Graphic Representation of Grouped data.
9. Determine the value of Chi-square from the following data :

	X₁	X₂	X₃
Y₁	7	8	5
Y₂	8	9	6
Y₃	9	7	8

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.