

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. (Radiotherapy Technology) (Sem.-5)

BIOSTATISTICS

Subject Code : BSRT509-19

M.Code : 90337

Date of Examination : 23-12-22

Time : 3 Hrs.

Max. Marks : 50

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A** is **COMPULSORY** consisting of **TEN** questions carrying **ONE** 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) Define biostatistics.
 - b) What do you mean by percentiles?
 - c) What do you mean by p-value?
 - d) Define hypothesis.
 - e) Define cumulative frequency.
 - f) Calculate mean, median and mode for 20, 18, 14, 24, 18, 16, 30, 16, 20, 16
 - g) Define arithmetic mean.
 - h) Define correlation.
 - i) Define regression.
 - j) What do you mean by normal distribution?

SECTION-B

2. Give a detailed account measures of probability.
3. Define mean, mode, median and variance with suitable example.
4. Differentiate frequency distribution and frequency polygon.
5. Write a detailed note on classification of data.
6. Define relative frequency curve with example.

SECTION-C

7. Define Sampling. Discuss the various sampling methods with appropriate examples.
8. Write a detained note on binomial and poisson distribution with suitable examples.
9. Define normal distribution. Write a detailed note on Bayes theorem.

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