

Total No. of Printed Pages: 02

SUBJECT CODE NO: - SS-6755
FACULTY OF SCIENCE AND TECHNOLOGY
M.Sc. (Zoology) (Sem-III)
Examination May / June - 2023
Elective Paper Group A

Biostatistics & Microbiology and Human Welfare ZOO-304

[Time: 03:00 Hours]

[Max. Marks: 80]

Please check whether you have got the right question paper.

N. B

- 1) The question paper is divided into two parts.
- 2) Part 'A' is compulsory.
- 3) Attempt any five questions from part 'B'.
- 4) Draw a neat labelled diagrams wherever necessary.

Part-'A'

Q1 Multiple choice questions [Each questions carries 2 marks]

20

1. Who is the father of biostatistics
 - a) Fischer
 - b) Francis Galton
 - c) Karl person
 - d) None
2. Values cannot be expressed numerically are called
 - a) Quantitative variables
 - b) Qualitative variables
 - c) Continuous variables
 - d) Absolute variables
3. Colour of flower is a
 - a) Qualitative variables
 - b) Quantitative variables
 - c) Absolute variables
 - d) Continuous variables
4. Group of individuals taken for study is called as
 - a) Group
 - b) Block
 - c) Flock
 - d) Population
5. Methods of collection, organization and presentation of data is called as \
 - a) Comparative biostatistics
 - b) Inferential biostatistics
 - c) Descriptive biostatistics
 - d) None of the above

6. Bacteria having clusters of flagella at both the poles of cells is as
 - a) Peritrichous
 - b) Monotrichous
 - c) Amphitrichous
 - d) All of these
7. Following are produced by microorganisms?
 - a) Fermented dairy products
 - b) Breads
 - c) Alcoholic beverages
 - d) All of the above
8. Major components of waste water?
 - a) Sand
 - b) Clay
 - c) Human excreta
 - d) Pure water
9. Pasteurization is a
 - a) High temperature treatment
 - b) Low temperature treatment
 - c) Least temperature treatment
 - d) Steaming type of treatment
10. Microbiology is
 - a) Study of microscope
 - b) Study of molecules
 - c) Study of animals and their family
 - d) Study of organisms that are not visible naked eyes

PART-'B'

- | | |
|---|----|
| Q2 Describe parametric and Non-parametric test | 12 |
| Q3 Explain descriptive statistic and central tendency | 12 |
| Q4 Describe linear regression and regression coefficient | 12 |
| Q5 What is microbes? Describe general characters and cell structure | 12 |
| Q6 Describe preservation of milk in detail | 12 |
| Q7 Define nutrition? Explain types of nutrition. | 12 |
| Q8 Write notes on: (Any two) | 12 |
| a) Anaerobic oxidation | |
| b) Sewage waste water | |
| c) Chi-square test | |
| d) Co-relation coefficient | |