

S.P.U. (P.G.) College, Falna

(Affiliated to Jai Narain Vyas University, Jodhpur)

Assignment for Semester I - 2023-24

Program: Post Graduate Zoology

Subject/Course Name & Code: Quantitative Biology & DSE: ZOO8102T

Max. Marks: 30

Note: The question paper is divided into Two sections A and B. Write answers as per given instructions.

Section A

(Very Short Answer Type Questions)

Note: Answer all questions. Give answer in One Word or One Sentence or maximum up to 30 Words. Each question carries 2 marks. (5X2=10)

Q.1. (A) Consider this set of numbers: 65, 8, 10, 88, 9, 9, 15, 21 and 11, calculate medium?

(B) Difference between Similarity and dissimilarity index

(C) What is biostatistics?

(D) Explain sampling theory?

(E) Chi-square(X^2) test?

Section B

(Long Answer Type Questions)

Note: Answer any two questions selecting one question from each pair (A OR B). Give answer maximum up to 500 Words. Each question carries 10 marks. (2X10=20)

Q. 2 (A) Write essay – Probability theory?

OR

(B) Write essay – Probability theory?

Q. 3 (A) The samples of 8 species are 30, 20, 51, 5, 24, 82, 44, 52. Calculate the Shannon diversity index

OR

(B) Discuss various types of graphs and its significance in Biostatistics?