

**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: Biosystematics & DSE: ZOO8101T

**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) Define term taxonomy?

(B) Define biological species concept?

(C) What is Bouin's fluid?

(D) Binominal nomenclature?

(E) What is DNA bar-coding?

## 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) Notes on – A) Neotaxonomy, B) Chemotaxonomy,  
C) Molecular taxonomy

OR

(B) Writes correct taxonomic hierarchy with a suitable example?

Q. 3 (A) Write taxonomic keys and its role in biological significance?

OR

(B) Write essay on remote sensing and its role in biodiversity?