5. Describe the morphology and life cycle of star fish. 10

Or

6. Differentiate between the following : 5x2=10
   (a) Annelida and Arthropoda
   (b) Mollusca and Echinodermata

7. Discuss in detail the theories of organic evolution. 10

Or

8. Distinguish between the following : 5x2=10
   (a) Lamarckism and Darwinism
   (b) Aquatic and volant adaptation

9. What is muscology? Discuss the values of taxonomic collection. 10

Or

10. Write short notes on the following : 5x2=10
    (a) Preservation of specimen
    (b) Equipment of collection.

★★★

UG (CBCS) EVEN SEMESTER EXAMINATION, 2023

EDUCATION (B.Sc. B.Ed.)

ZOOLOGY (PASS)

4th Semester

Course No. : BSZP - 402

(Non chordates, Organic evolution & adaptation)

Full Marks : 50

Pass Marks : 20

Time : 2 hours

The figures in the margin indicate full marks for the questions

1. Describe the structure and reproduction of paramecium. 10

Or

2. Write short notes on the following : 5x2=10
   (a) Canal system of sycon
   (b) Pathogenicity of liver-fluke

3. Illustrate and describe the urinogenital system of Leech. 10

Or

4. Write a brief account on the following : 5x2=10
   (a) Social life of Bees
   (b) Digestive system of prawn