

Total Pages : 03

Roll No. : .....

## **MZO-501**

### **Animal Diversity**

M.Sc. Zoology (MSCZO-20)

1<sup>st</sup> Semester Examination June 2022

Time : 2 Hours

Max. Marks : 40

Note : This Paper is of forty (40) marks divided into two (02) Section A and B. Attempt the questions contained in these sections according to the detailed instructions given there in.

#### **Section-A**

(Long Answer-type questions)

Note: Section 'A' contains Five (05) Long-answer type questions of ten (10) marks each. Learners are required to answer any two (02) questions only.

(2 x 10 = 20)

Q.1. Give a comparative account of Integument in different class of vertebrates.

P.T.O.

- Q.2 Explain the different merits and demerits system of classification ?
- Q.3 What do you understand by the Numerical taxonomy and Its importance ?
- Q.4 Explain in detail the origin of coelom and the related theory in detail ?
- Q.5 Write a short note on :
- A. Open type circulatory system
  - B. Heart in Invertebrates

### Section-B

(Short Answer-type questions)

Note: Section 'B' contains Eight (08) Short-answer type questions of five (05) marks each. Learners are required to answer any four (04) questions.

(4 x 5 = 20)

P.T.O

- Q.1 Explain the function of oral glands in vertebrates.
- Q.2 Write a short note on taste buds.
- Q.3 Shortly describe the excretory organs that are found in Echinodermates ?
- Q.4 Write a short note on Bipinaria Larva ?
- Q.5 Write a phylogenetic importance of Echinoderm larva ?
- Q.6 Describe the structure of mammalian skin and its function?
- Q.7 How does the frog ventilate its lungs ?
- Q.8 Describe the structure and function of gills ?

.....