

ZO-501**Animal Diversity and Ecology**
M. Sc. ZOOLOGY (MSCZO-12)
First Year, Examination, 2018**Time : 3 Hours****Max. Marks : 80**

Note : This paper is of **eighty (80)** marks containing **three (03)** Sections A, B and C. Learners are required to attempt the questions contained in these Sections according to the detailed instructions given therein.

Section-A**(Long Answer Type Questions)**

Note : Section 'A' contains four (04) long answer type questions of nineteen (19) marks each. Learners are required to answer *two* (02) questions only.

1. Give a comparative account of Integument in different class of vertebrates.
2. Difference between Sanctuaries and National Park.
3. Give the detail account of blood circulation fish amphibian and reptiles ?
4. Describes various type of receptors found in vertebrates.

Section-B**(Short Answer Type Questions)**

Note : Section 'B' contains eight (08) short answer type questions of eight (08) marks each. Learners are required to answer *four* (04) questions only.

1. Write a short note on the role of skin in temperature control in vertebrates.

2. Explain the function of oral glands in vertebrates.
3. Write a short note on venous heart.
4. What is the function of thyroxin in amphibians ?
5. Write a short note on taste buds.
6. Briefly explain synapses.
7. Write a short note on ctenidium.
8. What is biodiversity ?

Section–C

(Objective Type Questions)

Note : Section ‘C’ contains ten (10) objective type questions of one (01) mark each. All the questions of this Section are compulsory.

1. Wheel organs is the part of :
 - (a) Mouth
 - (b) Oral Hood
 - (c) Velum
 - (d) Pharynx
2. Invertebrates the pharyngeal gill slits are not more than :
 - (a) six pairs
 - (b) seven pairs
 - (c) eight pairs
 - (d) nine pairs

3. Maximum water vapour which can be filled in atmosphere at a particular point :
 - (a) Relative humidity
 - (b) Absolute humidity
 - (c) Saturation point
 - (d) Absolute transpiration

4. Larval form of hemichordate is :
 - (a) Tornia
 - (b) Crinodea
 - (c) Nauplius
 - (d) Catterpillar

Fill in the blanks :

5. The respiratory organs of Pila are
6. Asteria is belongs to the Phylum
7. Water vascular system is present in
8. Soil texture depends upon
9. Neoteny is found on
10. Lateral and median fin are used as

