2019/TDC/ODD/SEM/ZOODSC/ZOOGE–101T/037

TDC (CBCS) Odd Semester Exam., 2019

ZOOLOGY

(1st Semester)

Course No. : ZOODSC/ZOOGE–101T

(Animal Diversity)

Full Marks : 50
Pass Marks : 20

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

UNIT—I

1. Answer any *three* of the following questions :

$1×3=3$

(a) Name the locomotory organelles of *Euglena* and *Paramecium.*

(b) Write two important characters of Sporozoa with example.

(Turn Over)

(c) Write two characters of *Cnidaria* with example.

(d) What are dactylozooids?

2. Answer any *one* of the following questions : 2

(a) Name different types of canal system in *Porifera* and state their functions.

(b) What is polymorphism? Give examples.

3. Answer any *one* of the following questions : 5

(a) Discuss the process of locomotion in Protozoa.

(b) Write four important characters of *Porifera* and classify them up to classes with examples.

UNIT—II

4. Answer any *three* of the following questions : 1×3=3

(a) What is sporocyst?

(b) Define adaptation.

(c) Name one anticoagulant in leech.

(d) Give one example of sanguivorous animal.

5. Answer any *one* of the following questions : 2

(a) Write four salient features of *Platyhelminthes* with examples.

(b) Write the parasitic adaptations in *Ascaris*.

6. Answer any *one* of the following questions : 5

(a) Describe the life cycle of *Taenia solium* with diagram.

(b) Classify Annelida up to classes with their characters and examples.

UNIT—III

7. Answer any *three* of the following questions : 1×3=3

(a) Write two characters of *Arthropoda*.

(b) What is the function of madreporite?

(c) Mention the class in which torsion is found.

(d) Name the different parts of water vascular system.

8. Answer any *one* of the following questions : 　2

   (a) Write four salient features of *Echinodermata.*

   (b) Write four important functions of water vascular system.

9. Answer any *one* of the following questions : 　5

   (a) What is mosaic vision? Discuss different types of vision in *Arthropoda* with diagram.

   (b) What is metamorphosis? Describe the process of insect metamorphosis.

UNIT—IV

10. Answer any *three* of the following questions :

                                           $1 \times 3 = 3$

   (a) Give two examples of teleosts.

   (b) Give one example of cyclostome.

   (c) Give two distinctive characters of Protochordates.

   (d) Define osmoregulation.

11. Answer any *one* of the following questions : 　2

   (a) Write four important characters of *Agnatha* with examples.

   (b) Write a short note on *Osteichthyes.*

12. Answer any *one* of the following questions : 　5

   (a) Discuss the process of osmoregulation in marine fishes with examples.

   (b) Write important characters of Pisces and classify them up to order with examples.

UNIT—V

13. Answer any *three* of the following questions :

                                           $1 \times 3 = 3$

   (a) Give two examples of egg-laying mammals.

   (b) Write two distinctive features of *Reptilia.*

   (c) What are placental mammals?

   (d) What is parental care?

14. Answer any *one* of the following questions : 2

   (a) Write four salient features of *Aves*.

   (b) Write four characters of poisonous snake with example.

15. Answer any *one* of the following questions : 5

   (a) Write salient features of *Amphibia* and classify them up to order with examples.

   (b) What is marsupium? Describe the characteristic features of marsupials with examples.

★ ★ ★