

**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.**

(2)

- (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.

(3)

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.

(4)

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 :

1×3=3

- (a) Give two examples of teleosts.
- (b) Give one example of cyclostome.
- (c) Give two distinctive characters of Protochordates.
- (d) Define osmoregulation.

(5)

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 :

1×3=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?

(6)

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.

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