

**2024/FYUG/ODD/SEM/  
ZOODSM-101T/064**

**FYUG Odd Semester Exam., 2024**

**ZOOLOGY  
( 1st Semester )**

Course No. : ZOODSM-101T

**( Animal Diversity )**

Full Marks : 70

Pass Marks : 28

Time : 3 hours

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

**UNIT—I**

1. Answer any *two* from the following :  $2 \times 2 = 4$

(a) Mention the different types of reproduction in Protozoa.

(b) What are the differences between polyp and medusa?

(c) Write two distinguishing features of Cnidaria.

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( Turn Over )



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2. Write the distinctive features of phylum Porifera with examples. Describe the canal system in Sycon.  $3+7=10$

OR

3. Write the salient features of different classes of Porifera with examples. Write a note on cnidoblast.  $8+2=10$

### UNIT—II

4. Answer any *two* from the following :  $2 \times 2 = 4$

- (a) Write the distinctive features of Platyhelminthes.  
(b) Write a note on pseudopodia.  
(c) Write distinctive features of Annelida.

5. Describe the life cycle of *Taenia solium* with suitable illustrations. 10

OR

6. Write the salient features of Nematelminthes. Classify phylum Nematelminthes upto class with examples and distinctive features.  $2+8=10$

### UNIT—III

7. Answer any *two* from the following :  $2 \times 2 = 4$

- (a) What do you mean by compound eye?

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- (b) Write the salient features of Echinodermata.

- (c) What is radial symmetry? In which organism it is found?

8. Describe the process of torsion in Gastropoda with suitable illustrations. 10

OR

9. Write the salient features of different classes of phylum Annelida citing examples from each class. Add a note on coelom.  $8+2=10$

### UNIT—IV

10. Answer any *two* from the following :  $2 \times 2 = 4$

- (a) What are protochordates?  
(b) Write the differences between Agnatha and Gnathostomata.  
(c) Write the salient features of Amphibia.

11. What is osmoregulation? Describe the process of osmoregulation in freshwater fishes.  $2+8=10$

OR

12. Differentiate between anurans, Apoda and Urodela. Add a note on the role of male in parental care of amphibians.  $6+4=10$

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**UNIT—V**

13. Answer any *two* from the following :  $2 \times 2 = 4$

(a) Differentiate between poisonous and non-poisonous snake.

(b) What are the differences between Ratitae and Carinatae?

(c) Write the distinctive features of mammals.

14. Discuss various adaptations in birds for flight. 10

**OR**

15. Write the salient features of Monotremata, Marsupialia and placental mammals with examples. What is Chiroptera?  $3+3+3+1=10$

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