

ZOO 101.1

Reg. No. ....

CREDIT BASED FIRST SEMESTER B.Sc. DEGREE EXAMINATION – OCTOBER 2012

**ZOOLOGY**

**ZOOMORPHOLOGY - I**

Duration: 3 hours

Max marks: 80

Note: Answer any **TEN** Questions from Part-A

Answer **SIX** questions from Part-B choosing any two questions from each unit.

**PART A**

I. Answer any **TEN** of the following:

2x10=20

1. Define Biological Classification.
2. Name any four types of amoebocytes present in Poriferans.
3. What is metagenesis?
4. What is a Hexacanth?
5. What is pseudocoelom? Give an example.
6. Give the scientific names of clamworm and seamouse.
7. List the thoracic appendages of Penaeus.
8. What is radula? Mention its function.
9. State the significance of ambulacral system.
10. Name any two classes of Protozoa with an example for each.
11. Write a note on Dactylozoid.
12. What is thelycum?

**PART-B**

**UNIT-I**

- II. a) Give an account of the general characters of Phylum Porifera with two examples. 07  
b) Name and explain the two branches of Sub Kingdom Metazoa. 03
- III. a) Give an account of different types of coral reefs. 07  
b) Describe a choanocyte with a neat labeled diagram. 03
- IV. a) Draw labeled diagrams representing the life cycle of Plasmodium vivax in man. 05  
b) What is Polymorphism? Explain the same with Physalia as an example. 05

**UNIT-II**

- V. a) Give an account of the general characters of Phylum Annelida with any two examples. 07

- b) Write a note on cysticercus. 03
- VI. a) Explain the characters of the three classes of Platyhelminthes giving two examples for each. 07  
 b) Draw a neat labeled diagram of microfilaria larva. 03
- VII. a) Explain external features of Ascaris lumbricoides with a neat labelled diagram. 05  
 b) Explain the external features of Arenicola. 05
- UNIT-III**
- VIII. a) What is Trophii? Explain it in Mosquitos. 07  
 b) Distinguish between the first abdominal appendage of male and female in prawn. 03
- IX. a) Write the general characters of Phylum Arthropoda and classify the Phylum up to classes with examples. 07  
 b) Draw a neat labeled diagram of Unio. 03
- X. a) Explain Bipinnaria larva with the help of a neat labeled diagram. 05  
 b) Explain the biological method of pest management. 05

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**CREDIT BASED FIRST SEMESTER B.Sc. DEGREE EXAMINATION – OCTOBER 2013**

**ZOOLOGY**

**ZOOMORPHOLOGY - I**

**Duration: 3 hours**

**Max marks: 80**

**Note: Answer any TEN Questions from Part-A**

**Answer SIX questions from Part-B choosing any two questions from each unit.**

**PART A**

**I. Answer any TEN of the following:**

**2x10=20**

13. Define taxonomy. Give an example for invertebrata.
14. Name the disease caused by *Entamoeba histolytica*.
15. Write a note on pinacocytes.
16. What are stinging cells? Mention their function.
17. What is psuedocoelom? Give an example.
18. What are flame cells? Mention its function.
19. Give the schematic classification of the parasite causing Elephantiasis.
20. To which class leech belongs? Mention its generic name.
21. List any two cephalic appendages of *Penaeus*.
22. Mention the two differences between male and female prawn.
23. What is Radula? Mention its function.
24. What is madreporite?

## **PART-B**

### **UNIT-I**

- |      |   |    |
|------|---|----|
| II.  | a) Give an account of life history of <i>Plasmodium vivax</i> in mosquito with diagram.           | 07 |
|      | b) Write the significance of canal system in sponges.   | 03 |
| III. | a) What is polymorphism? Explain the phenomenon in Hydrozoa with reference to <i>Halistemma</i> . | 07 |
|      | c) Write any four unique characters of class ciliata give one example.                            | 03 |
| IV.  | a) Write the six distinctive characters of Class Hexactinellida with any two examples.            | 05 |
|      | b) Explain the principles of binomial nomenclature as a basis of animal classification.           | 05 |

### **UNIT-II**

- |      |   |    |
|------|---|----|
| V.   | a) Give an account of the general characters of the phylum platyhelminthes with any two examples.                   | 07 |
|      | b) Write any four characters of Class Polychaeta with two examples.   | 03 |
| VI.  | a) With a neat labeled diagram explain the external characters of <i>Ascaris</i> . Add a note on its pathogenecity. | 07 |
|      | b) Explain the four characteristics of Trematoda with two examples.   | 03 |
| VII. | a) Explain and draw the external features of earthworm.   | 05 |
|      | c) Describe the lifecycle of <i>Taenia solium</i> in pig.   | 05 |

### **UNIT-III**

- VIII. a) Write general characters of phylum Arthropoda and classify the phylum upto classes with examples. 07
- c) Draw a neat labeled diagram of Bipinnaria larva. 03
- IX. a) Give an account of the general characters of the phylum Mollusca with two examples. 07
- b) With a neat labeled diagram explain the Uropod of Penaeus. 03
- X. a) Write any six distinguishing features of class ophiuroidea with two examples. 05
- b) Explain the external features of Pila with a neat labeled diagram. 05
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CREDIT BASED FIRST SEMESTER B.Sc. DEGREE EXAMINATION – OCTOBER 2014

**ZOOLOGY**

**ZOOMORPHOLOGY - I**

Duration: 3 hours

Max marks: 80

Note: Answer any **TEN** Questions from Part-A

Answer **SIX** questions from Part-B choosing any two questions from each unit.

**PART A**

I. Answer any **TEN** of the following:

2x10=20

25. Define Species. Give any one example for Invertebrate.
26. Mention any two distinct characters of class Mastigophora.
27. Name any four types of amebocytes?
28. Give any four examples for corals.
29. Write any two distinctive characters of class Turbellaria.

30. Draw a neat labeled diagram of Scolex of tape worm.
31. What is Hexacanth?
32. What is Clitellum?
33. Mention any two differences between male & female prawn.
34. Name the different types of trophic in insects with example.
35. Mention the class to which Unio and Pila belong?
36. What is Pedecellaria?

## PART-B

### UNIT-I

- |      |    |  |    |
|------|----|--|----|
| II.  | a) | Define biodiversity and explain the levels of Biodiversity.                              | 07 |
|      | b) | Draw a neat labeled diagram of trophozoite stage of Entamoeba .                          | 03 |
| III. | a) | Mention any six general characters of the Phylum Protozoa. With any two examples.        | 07 |
|      | d) | Write a note on tetraxon spicules.   | 03 |
| IV.  | a) | Explain the salient features of the syconoid canal system in sponges with illustrations. | 05 |
|      | b) | Define polymorphism? Explain the same with an example of Physalia.                       | 05 |

### UNIT-II

- |      |    |   |    |
|------|----|---|----|
| V.   | a) | Give an account of the general characters of the phylum Nematelminthes with any two examples. | 07 |
|      | b) | Draw a neat labeled diagram of External of Leech.   | 03 |
| VI.  | a) | Give an account of Parasites and host parasitic interactions.                                 | 07 |
|      | b) | Write any four distinctive characters of class Cestoda with two examples.                     | 03 |
| VII. | a) | Explain the structure of filarial worm with neat labeled diagram.                             | 05 |
|      | d) | Write the six distinctive characters of class Polychaeta with an example.                     | 05 |

### UNIT-III

- |       |    |   |    |
|-------|----|---|----|
| VIII. | a) | Classify Phylum Mollusca giving two characters and one example of each class. | 07 |
|       | d) | With a neat labeled diagram explain the second maxillipede of Penaeus.        | 03 |
| IX.   | a) | Explain the water-vascular system in Starfish.                                | 07 |
|       | b) | Write any four characters of class Crustacea with two examples.               | 03 |

- X. a) Explain the external features of Pila with a neat labeled diagram 05  
b) With a neat labeled diagram, explain the mouth parts of Mosquito 05

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CREDIT BASED FIRST SEMESTER B.Sc. DEGREE EXAMINATION – OCTOBER 2014

**ZOOLOGY**

**ZOOMORPHOLOGY - I**

Duration: 3 hours

Max marks: 80

Note: Answer any **TEN** Questions from Part-A

Answer **SIX** questions from Part-B choosing any two questions from each unit.

**PART A**

I. Answer any **TEN** of the following: 2x10=20

37. Define Species. Give any one example for Invertebrate.
38. Mention any two distinct characters of class Mastigophora.
39. Name any four types of amebocytes?
40. Give any four examples for corals.
41. Write any two distinctive characters of class Turbellaria.
42. Draw a neat labeled diagram of Scolex of tape worm.
43. What is Hexacanth?
44. What is Clitellum?
45. Mention any two differences between male & female prawn.
46. Name the different types of trophil in insects with example.
47. Mention the class to which Unio and Pila belong?
48. What is Pedecellaria?

**PART-B**

**UNIT-I**

II. a) Define biodiversity and explain the levels of Biodiversity.

07

- b) Draw a neat labeled diagram of trophozoite stage of Entamoeba . 03
- III. a) Mention any six general characters of the Phylum Protoza. With any two examples. 07
- e) Write a note on tetraxon spicules. 03
- IV. a) Explain the salient features of the syconoid canal system in sponges with illustrations. 05
- b) Define polymorphism? Explain the same with an example of Physalia. 05

### UNIT-II

- V. a) Give an account of the general characters of the phylum Nematelminthes with any two examples. 07
- b) Draw a neat labeled diagram of External of Leech. 03
- VI. a) Give an account of Parasites and host parasitic interactions. 07
- b) Write any four distinctive characters of class Cestoda with two examples. 03
- VII. a) Explain the structure of filarial worm with neat labeled diagram. 05
- e) Write the six distinctive characters of class Polychaeta with an example. 05

### UNIT-III

- VIII. a) Classify Phylum Mollusca giving two characters and one example of each class. 07
- e) With a neat labeled diagram explain the second maxillipede of Penaeus. 03
- IX. a) Explain the water-vascular system in Starfish. 07
- b) Write any four characters of class Crustacea with two examples. 03
- X. a) Explain the external features of Pila with a neat labeled diagram 05
- b) With a neat labeled diagram, explain the mouth parts of Mosquito 05

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ZOO 101.1

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CREDIT BASED FIRST SEMESTER B.Sc. DEGREE EXAMINATION – OCTOBER 2015

**ZOOLOGY**

**ZOOMORPHOLOGY - I**

Duration: 3 hours

Max marks: 80

Note: Answer any **TEN** Questions from Part-A

Answer **SIX** questions from Part-B choosing any two questions from each unit.

**PART A**

I. Answer any **TEN** of the following:

10x2=20

49. Mention any two guidelines for naming the organism.
50. Write a note on pinacocytes.
51. What are stinging cells? Mention their function.
52. Give the schematic classification of the parasite causing Malaria.
53. Give the scientific names of round worm and filarial worm.
54. Name the larva of Annelidans.
55. What is petasma?
56. Mention the classes to which Unio and Pila belong.
57. What are tube feet? Mention their function.
58. Write the function of Uropod.
59. Name any two distinct forms in Entamoeba histolytica.
60. What are flame cells? Mention their function.

**PART-B**

**UNIT-I**

- II. a) Give an account of life history of sponges. 07
- b) Write the explanatory note on Exflagellation. 03
- III. a) Give an account of the general characters of Phylum Protozoa with any two examples. 07
- f) Write a note on barrier reef. 03
- IV. a) Give the Schematic representation of classification of animals. 05
- b) What is polymorphism? Explain the same with an example of Halistemma. 05

**UNIT-II**

- V. a) classify Phylum Annelida upto classes giving the distinctive characters and two examples for each class. 07



- b) Write a note on Sexual dimorphism in Ascaris. 03
- VI. a) Give the diagrammatic representation of the life cycle of Taenia Solium. 07  
 b) Explain the tubicolous adaption's exhibited chaetopterus. 03
- VII. a) Write the six distinctive characters of classtrematoda with two examples. 05  
 f) Give an account of pathogenecity of filarial worm. 05

### UNIT-III

- VIII. a) Classify Phylum Mollusca upto classes giving two diagnostic characters and one representative example. 07  
 f) With a neat labeled diagram explain the biramous appendage of prawn. 03
- IX. a) Describe the external features of Penaeus 07  
 b) Write any four general characters of Phylum Echinodermata with one example. 03
- X. a) Write the characters of Pila with a neat labeled diagram. 05  
 b) Explain the externals of Asterias. 05

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## CREDIT BASED FIRST SEMESTER B.Sc. DEGREE EXAMINATION OCTOBER 2016

**ZOOLOGY**  
**ZOOMORPHOLOGY - I**

Duration: 3 hours

Max Marks: 80

**Note: Answer any TEN Questions from Part-A****Answer SIX questions from Part-B choosing any two questions from each unit.**

**PART A**

**I. Answer any TEN of the following:****10x2=20**

1. Define Hotspot. Name the hotspots of India.
2. Name the different stages in the life cycle of *Entamoeba histolytica*.
3. What is spongocoel?
4. Write any two distinguishing characters of Scyphozoa with two examples.
5. Give the scientific name of liverfluke and tapeworm.
6. Draw a neat labelled diagram of scolex of tapeworm.
7. To which class does leech belong? Mention its scientific name.
8. What are flame cells? Mention their functions.
9. Write a note on biramous appendage.
10. What is Pest<sup>M</sup> management? Mention the different types.
11. What is mantle?
12. What is madreporite?

**PART-B**

**UNIT-I**

- |      |    |   |    |
|------|----|---|----|
| II.  | a) | Define biodiversity. Explain the levels of biodiversity.                      | 07 |
|      | b) | Write a note on medusa.   | 03 |
| III. | a) | Give an account of life cycle of <i>Plasmodium vivax</i> in man with diagram. | 07 |
|      | b) | Write a short note on Holozoic nutrition in protozoans.                       | 03 |
| IV.  | a) | Write explanatory notes on Diplodal canal system in sponges.                  | 07 |
|      | b) | Explain polymorphism with reference to <i>Physalia</i> .                      | 05 |

## UNIT-II

- V. a) With a neat labelled diagram explain the external characteristics of *Ascaris*.  
Add a note on its pathogenicity. 07
- b) Explain the tubicolous adaptations exhibited by *Arenicola*. 03
- VI. a) Give an account of the general characters of the phylum Annelida with  
any two examples. 07
- b) Write a note on Scolex in tapeworm. 03
- VII. a) Give an account of pathogenicity of Filarial worm. 05
- b) Write six distinctive characters of class Oligochaeta with two examples. 05

## UNIT-III

- VIII. a) Classify Phylum Mollusca upto classes giving two diagnostic characters with  
one example of each. 07
- b) With a neat labelled diagram explain petasma in *Penaeus*. 03
- IX. a) Describe water-vascular system in sea-star. 07
- b) Draw a neat labelled diagram of *Unio*. 03
- X. a) With a neat labelled diagram explain mouthparts of mosquito. 05
- b) Write any six distinguishing features of class Crinoidea with two examples. 05

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