

**Semester-II (Minor)**  
**MODEL QUESTION PAPER**

**Course-I: Animal Diversity-I Biology of Non-Chordates**

**Time: 3 Hours**

**Maximum: 60 Marks**

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**SECTION – A**

**Answer any FIVE questions. Each question carries 4 marks**

**(5 X 4 = 20M)**

- 1. General characters of protozoa**
- 2. Nutrition in protozoa**
- 3. Coral Reefs**
- 4. Nematelminthes general characters**
- 5. Parasitic adaptations in helminthes**
- 6. Uses of vermiculture**
- 7. General characters of Annelida**
- 8. Hemichordate general characters**

**SECTION – B**

**Answer all the questions. Each question carries 08 marks.**

**(5 X 8 = 40M)**

- 9. (a) Write an essay on Whittaker's five kingdom concept**  
Or  
**(b) Explain reproduction in Protozoa**
- 10. (a) Explain canal system in sponges**  
Or  
**(b) Explain Coelenterata general characters and classification**
- 11. (a) Explain Platyhelminthes general characters and classification**  
Or  
**(b) Explain the life cycle and pathogenicity of *Ascaris lumbricoides***
- 12. (a) Write an essay on Vermiculture and vermicomposting**  
Or  
**(b) Explain Arthropoda general characters and classification**
- 13. (a) Explain Mollusca general characters and classification**  
Or  
**(b) Explain water vascular system in star fish**

## **QUESTION BANK**

### **ESSAY QUESTIONS**

#### **UNIT -1**

- 1. Write an essay on Whittaker's five kingdom concept**
- 2. Explain Protozoa general characters and classification**
- 3. Explain locomotion in Protozoa**
- 4. Explain reproduction in Protozoa**

#### **UNIT- II**

- 1. Explain Porifera general characters and classification**
- 2. Explain canal system in sponge,**
- 3. Explain Coelenterate general characters and classification**
- 4. Explain polymorphism in Coelenterates**

#### **UNIT - III**

- 1. Explain Platyhelminthes general characters and classification**
- 2. Explain parasitic adaptations in helminthes**
- 3. Explain Nemathelminthes general characters and classification**
- 4. Explain life cycle and pathogenicity of Ascaris lumbricoides**

#### **UNIT-IV**

- 1. Explain Annelids general characters and classification**
- 2. Write an essay on vermiculture and vermicomposting**
- 3. Explain Arthropoda general characters and classification**
- 4. Explain structure and affinities of Peripatus**

#### **UNIT -V**

- 1. Explain Mollusca general characters and classification**
- 2. Explain pearl formation in Pelecypoda**
- 3. Explain Echinodermata general characters and classification**
- 4. Explain water vascular system in starfish**
- 5. Explain Balanoglossus structure and affinities**

## **SHORT QUESTIONS**

### **UNIT-I**

- 1. Nutrition in protozoa**
- 2. General characters of protozoa**
- 3. Conjugation**
- 4. Binary fission**

### **UNIT -II**

- 1. Porifera general characters**
- 2. Coral reefs**
- 3. Fringing reef**
- 4. Barrier reef**

### **UNIT-III**

- 1. Platyhelminthes general characters**
- 2. Parasitic adaptations in helminthes**
- 3. Extra intestinal migration**
- 4. Nematelminthes general characters**

### **UNIT -IV**

- 1. Uses of vermiculture**
- 2. Annelida general characters**
- 3. Onychophora**
- 4. Arthropoda general characters**

### **UNIT -V**

- 1. Mollusca general characters**
- 2. Pearl formation**
- 3. Hemichordata general characters**
- 4. Balanoglossus structure**