



**THE ANSWERS MUST BE ATTEMPTED ON THE ANSWER SHEET PROVIDED**

**Q.1. Answer the following short questions: (15x2=30)**

- i. What is Miracidium?**
- ii. Differentiate between binary and multiple fission in protozoans.**
- iii. Differentiate synapomorphies and plesiomorphies?**
- iv. What are Tube feet and how it work?**
- v. What is biramous in Trilobite appendages?**
- vi. What is Elephantiasis?**
- vii. Differentiate between protostomes and deuterostomes?**
- viii. Differentiate pseudocoelomate and acoelomate?**
- ix. What is manubrium?**
- x. What is Tympanal organs?**
- xi. Define cladistics?**
- xii. Define Coxal glands in arthropods?**
- xiii. Differentiate schizocoelous and enterocoelous?**
- xiv. How Asexual reproduction takes place in sponges?**
- xv. What do you know about trilobite?**

**Answer the following questions. (3x10=30)**

**Q.2 Differentiate between protostomes and deuterostomes?**

**Q.3 Describe the classification of Protozoa up to class level?**

**Q.4 Discuss various types of canal systems in Porifera?**