

AS/2111

22020/NH

-Biodiversity-II  
SEM-I  
(Syll. Dec/2019)

Max Marks -40

Time-3 Hours

Note- Candidate are required to attempt two questions from section-A and section-B. Entire section-C is compulsory.

#### Section-A

1. Write classification upto order, ecological note, and economic importance of *Vorticella*, *Noctiluca* and *Nyctotherus*.
2. Write a Short note on reproduction and movement in amoeba.
3. Write classification upto order and economic importance of *Grantia*, *Spongilla* and *euplectella*
4. Discuss briefly about digestion and reproduction in *Sycon*.

6x2=12 Marks

#### Section B

5. Write classification upto order, ecological note, and economic importance of *Sertularia*, *Aurelia* and *Fungia*
6. Write a short note on reproductive and respiratory system of *Taenia*.
7. Write a Short note including economic importance and ecological notes on *Eunice*, *Arenicola* and *Aphrodite*.
8. Discuss briefly about reproductive and digestive system of *Pheretima*.

6x2=12 Marks

#### Section-C

1. Characters of Aschelminths.
2. Classification of *Bougainvillea* and *Physallia*.
3. Economic importance of *Favia* and *Metridium*.
4. Ecological note on *Hyalonema* and *Spongilla*.
5. Classification of *Trypanosoma* and *Balantidium*.
6. Characters of Protozoa
7. Parasitic adaptations in helminths.
8. Ecological note on *Tubifex* and *Pontobdella*.

2x8= 16Marks