

**HOLIDAYS' HOMEWORK, 2024-25**

**SCIENCE (BIOLOGY)**

**CLASS XI**

**Assignment-A**

**Section- A**

Write the following in the Biology notebook-

1. Cellular organisation and consciousness are properties of living organisms.
2. ICBN, ICZN full form? What are works of ICBN, ICZN?
3. The scientific name of housefly is....
4. Carnivora includes families like.... and .....

**Section-B**

6. Mushrooms belong to the class-  
(a) Phycomycetes (b) basidiomycetes  
(c) Deuteromycetes (d) Ascomycetes
7. Example of ciliated protozoans is –  
(a) Amoeba (b) Paramecium (c) Trypanosoma (d) Plasmodium
8. Ribosomes attach to single mRNA and form a chain called  
(a) Mesosome (b) Polysome (c) Capsule (d) Pili
9. Thylakoid is a part of \_\_\_\_\_.  
(a) Chloroplast (b) Ribosome (c) Centrosome (d) Nucleus.
10. Which of the following is not correct-  
(a) Robert Brown discovered the cell.  
(b) Schleiden & Schwann formulated cell theory.  
(c) Virchow explained that cells are formed from pre-existing cells.  
(d) Crista are found in mitochondria

**Section-C**

11. Multicellular organisms have division of labour .Explain.
12. How are ascomycetes different from deuteromycetes?
- 13- What are lichens and mycorrhiza?
14. Describe the main features of pteridophytes.
15. Draw the structure of amino acid, alanine.

### Section-D

16. Describe-Algal bloom ,Red tides,Phycobiont, Mycobiont,Euglenoids
17. Describe and explain R.H. Whittaker's system of biological classification.
18. What is heterospory? Describe its significance with two examples.
19. Compare salient features of Porifera and Ctenophora.
20. Describe all the stages involved in Meiosis I and meiosis II.

### Assignment-B.

Make a project on –

- Taxonomy
- kingdom fungi
- Kingdom Protista
- Algae
- Bryophytes
- Pteridophytes.

Make a model (with help of thermocol sheets and chart) on one of the following topics-

- Plant cell and animal cell
- Mitosis
- Meiosis I and II

Write these experiments with well-labelled diagrams in your practical notebook –

- To study parts of microscope
- To study the given specimen.
- To study given animal specimen & identify them with reason

**Note: Also learn the above topics.**