

Government Post Graduate College,Obra

Department of Zoology

B.SC IST SEMESTER ASSIGNMENT (SUBMISSION DATE 8/9/2025)

Important instructions :

- 1.All question are compulsory**
- 2.Use A4 size ruled sheet to write assignment**
- 3. No assignment will be accepted after the submission date**

Answer the following questions

- 1] Explain different models of plasma membrane with the help of diagram.20 marks**
- 2] Describe various cytoskeleton Structure along with their function. 20marks**
- 3) Explain proteins sorting and targeting with the help of flow chart 20marks**
- 4) write down about various types of RNAsalong with then function.(20marks)**

B.SC III SEMESTER ASSIGNMENT (SUBMISSION DATE 11/9/25)

Answer the following questions

- 1. Compare the processes of transcription initiation, elongation, and termination in prokaryotes and eukaryotes. (20marks)**
- 2. Describe the structure of a ribosome and the different binding sites involved in protein synthesis. Explain the roles of the A, P, and E sites during the elongation phase of translation(20 marks)**
- 3. Discuss the various ways in which chromatin structure influences gene expression in eukaryotes(20marks)**
- 4.Explain the working of trp operon(20marks)**

B.sc V semester assignment (submission date 10/9/25)

Answer the following questions

- 1.Describe various theories regarding origin of chordates 20 marks**

2 Write about the and morphology reproductive cycle of obelia **20 marks**

3.Describe various parasitic modification-of Platyhelminthes reference to Tapeworm also with the help of flow chart explain life cycle of tapeworm. **20 marks**

4.write the short note on morphology ,physiology and development of Balanglossus **(20marks)**