

B.Sc. - I (CBCS Pattern) Sem-I  
**USZOT02 - Zoology Paper-II (Cell Biology)**

P. Pages : 1

Time : Three Hours



**GUG/W/23/11565 (S)**

Max. Marks : 50

- Notes :
1. All questions are compulsory.
  2. All questions carry equal marks.
  3. Draw well labelled diagram wherever necessary.

1. Write in detail on Fluid mosaic model of plasma membrane. Add a note on function of plasma membrane. **10**

**OR**

a) Eukaryotic cell. **5**

b) Endocytosis. **5**

2. Describe in detail the ultrastructure of nucleus. **10**

**OR**

a) Polytene chromosome. **5**

b) Types of chromosomes. **5**

3. Give detail account of structure & functions of Golgi complex. **10**

**OR**

a) Complexes in electron transport system. **5**

b) Types of Endoplasmic Reticulum. **5**

4. Write in detail on structure and function of Lysosome. **10**

**OR**

a) Mitosis. **5**

b) Types of Ribosomes. **5**

5. Write four or five lines on each of the followings (**any ten**). **10**

i) Active Transport

iii) Exocytosis

v) Centromere

vii) F-1 Particle

ix) ATP

xi) Pachytene

ii) Nucleoplasm

iv) Nucleolus

vi) Lambrush chromosome

viii) Cytoskeleton

x) Synaptonemal complex

xii) Cytokinesis

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