

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**

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|---------------------|-------------------------|
| i) Active Transport | ii) Nucleoplasm |
| iii) Exocytosis | iv) Nucleolus |
| v) Centromere | vi) Lambrush chromosome |
| vii) F-1 Particle | viii) Cytoskeleton |
| ix) ATP | x) Synaptonemal complex |
| xi) Pachytene | xii) Cytokinesis |
