

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

P. Pages : 1

Time : Three Hours



GUG/S/23/11565

Max. Marks : 50

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

1. Give detail account on functions of plasma membrane. 10
- OR**
- a) Chemical composition of plasma membrane. 5
- b) Eukaryotic cell. 5
2. Give an account on structure of chromosome. 10
- OR**
- a) Structure of nuclear envelop. 5
- b) Lampbrush chromosome. 5
3. Explain in detail ultrastructure and function of Golgi complex. 10
- OR**
- a) Phosphorylation Oxidative. 5
- b) Ultrastructure of endoplasmic reticulum. 5
4. Give an account on functions of lysosome. 10
- OR**
- a) Synaptonemal complex. 5
- b) Types of Ribosome. 5
5. Attempt the followings **any ten**. 10
- i) Cocci
  - ii) Carrier proteins.
  - iii) Cell wall
  - iv) Nucleolus
  - v) Chromocentre
  - vi) Balbiani Ring
  - vii) Cytochrome - C
  - viii) Annulate lamellae
  - ix) Secretory vesicles
  - x) Residual body
  - xi) Polyribosome
  - xii) Metaphase

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