

B.Sc. (CBCS Pattern) Sem-I  
**USZOT02 / USCZOT02 - Zoology Paper-II (Cell Biology)**

P. Pages : 1

Time : Three Hours



**GUG/W/22/11565**

Max. Marks : 50

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

1. Give an account on functions of plasma membrane. 10

**OR**

Write a note on

- a) Prokaryotic cell 5
- b) Chemical composition & plasma membrane. 5

2. Describe structure and types chromosome. 10

**OR**

Write a note on

- a) Nuclear pore complex 5
- b) Nucleolus 5

3. Describe structure and function of Golgi complex. 10

**OR**

Write a note on

- a) Types of E.R 5
- b) Oxidative phosphorylation 5

4. Describe structure and function & lysosome. 10

**OR**

Write a note on

- a) Polyribosomes 5
- b) Mitosis 5

5. Write four or five lines on the following **any ten**. 10

- |                        |                    |
|------------------------|--------------------|
| i) Eukaryotic cell     | ii) Protoplasm     |
| iii) Unit membrane     | iv) Fibrous lamina |
| v) Polytene chromosome | vi) Nucleoplasm    |
| vii) Cristae           | viii) Glycolysis   |
| ix) Cisternae          | x) 70s ribosome    |
| ix) Residual body      | xii) Leptotene     |

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