

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

P. Pages : 1

Time : Three Hours



**GUG/W/23/11565**

Max. Marks : 50

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1. Give detail account on Eukaryotic cell. 10

**OR**

a) Ultrastructure of Plasma membrane. 5

b) Active transport. 5

2. Write a detailed account on structure of Nucleus. 10

**OR**

a) Nucleolus. 5

b) Polytene chromosome. 5

3. Explain in detail the structure and function of mitochondria. 10

**OR**

a) Structure of Golgi complex. 5

b) Functions of endoplasmic reticulum. 5

4. Describe in detail the process of Meiosis. 10

**OR**

a) Polymorphism in Lysosome. 5

b) Lake's model of Ribosome. 5

5. Write **any ten** questions in three to four lines only. **1x10**  
**=10**

i) Nucleoid.

ii) Simple diffusion.

iii) Endocytosis.

iv) Chromatids.

v) Nucleosome.

vi) Lampbrush chromosome.

vii) Ubiquinone.

viii) Smooth endoplasmic reticulum.

ix) Secretory vesicles.

x) Lipases.

xi) Polyribosome.

xii) Leptotene.

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