

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

P. Pages : 1

Time : Three Hours



GUG/S/25/11565

Max. Marks : 50

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

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|-----------|---|--------------------------|
| 1. | Differentiate between Prokaryotic cell and Eukaryotic cell. | 10 |
| | OR | |
| | a) Fluid Mosaic Model. | 5 |
| | b) Sodium Potassium Ion Pump. | 5 |
| 2. | Describe in detail EM structure of Nucleus. | 10 |
| | OR | |
| | a) Structure and types of Chromosomes. | 5 |
| | b) Nucleosome model. | 5 |
| 3. | Write detailed account on Electron Transport System. | 10 |
| | OR | |
| | a) Types and functions of ER. | 5 |
| | b) Golgi Complex. | 5 |
| 4. | Write an Essay on Cell Cycle. | 10 |
| | OR | |
| | a) Polymorphism in Lysosome. | 5 |
| | b) Lake's Model. | 5 |
| 5. | Write three to four lines on following. any ten. | 10 |
| | i) Endocytosis | ii) Mesosome |
| | iii) Cell Wall | iv) Lampbrush chromosome |
| | v) Giant Chromosome | vi) Nucleolus |
| | vii) ATP | viii) SER |
| | ix) particle | x) Autophagic vacuole |
| | xi) Residual Body | xii) Mitogen |
