

M.SC. (Zoology) (CBCS Pattern) First Semester
PSCZOOT03 / ZOO-03 - Cell Biology and Genetics Paper-III

P. Pages : 1

GUG/W/18/11177

Time : Three Hours



Max. Marks : 80

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

1. Give detailed account on meiosis. 16

OR

Write a note on:

- a) Golgi complex. 8
- b) Osmosis. 8

2. Give detailed account on cancer. 16

OR

Write a note on.

- a) Regulation of signaling pathways. 8
- b) Gap junctions. 8

3. Write a detail account on gene mutation. 16

OR

Write notes on:-

- a) Linkage and crossing over. 8
- b) Incomplete dominance. 8

4. Give detailed account on genetic disorders in human being. 16

OR

Write notes on:

- a) Structural alterations of chromosomes. 8
- b) Cytoplasmic inheritance. 8

5. Write a notes on. 16

- a) Nucleus.
- b) Gap Junctions.
- c) Polygenic traits.
- d) Mapping of genes.
