

D 33354

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Name.....

Reg. No.....

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, FEBRUARY 2013

(CCSS)

General Biotechnology

GB1 C1—CELL BIOLOGY

(2010 admissions)

Time : Three Hours

Maximum : 36 Weightage

Section A

*Answer **all** questions.*

Each question carries 1 weightage.

1. What is apoptosis ?
2. What is plasmodesmata ?
3. What are the functions of golgi apparatus ?
4. What is meant by protein targeting ?
5. Define Translocation.
6. Which cell organelle is known as power house or power plants of cells ?
7. Name the organism comes under prokaryotes.
8. What is cell wall ?
9. What is flagella ?
10. What is cristae ?

(10 x 1 = 10 weightage)

Section B

Answer any seven questions.

Each question carries 2 weightage.

11. Explain cell cycle checkpoints.
12. Explain membrane trafficking.
13. Discuss about ATP formation.
14. Chaperons and its importance.
15. What are the functions of cytoskeleton ?
- 16 Explain about model systems.

Turn over

17. Explain about co-translational modifications.
18. Explain structure of chloroplast and its importance.
19. G-proteins and its importance.
20. Explain about membrane models.

(7 x 2 = 14 weight.

Section C

*Answer any two questions.
Each question carries 6 weightage.*

21. Explain about meiosis.
22. Explain protein biosynthesis in prokaryotes.
23. Explain the structure of eukaryotic cells.

(2 x 6 = 12 weighta