

D 72917

(Pages : 2)

Name.....

Reg. No.....

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, DECEMBER 2014

(CUCSS)

General Biotechnology

GB1 C1—CELL BIOLOGY

Time : Three Hours

Maximum : 36 Weightage

Section A

*Answer **all** questions.*

Each question carries 1 weightage.

1. What is a nucleus ?
2. What is meant by environmental signal ?
3. What are the functions of microbodies ?
4. What is active transport ?
5. Define cell cycle.
6. What are plastids ?
7. What is Histone ?
8. What is peroxisome ?
9. What is chiasma ?
10. What are gap junctions ?

(10 x 1 = 10 weightage)

Section B

*Answer any **seven** questions.*

Each question carries 2 weightage.

11. Explain post-translational modifications.
12. Explain about cell motility.
13. Discuss the molecular events in cancer.
14. Explain about cell to cell interaction.
15. Briefly explain mitosis.
16. Role of endoplasmic reticulum.
17. "le structure of a prokaryotic cell.
oxidative metabolism ?
nd their structure.
20. L branes.

(7 x 2 = 14 weightage)

Turn over

Section C

*Answer any **two** questions.*

Each question carries 6 weightage.

21. Explain about the role of mitochondria in cellular energy transactions.
22. Discuss the transport of molecules across membrane.
23. Discuss the difference between a plant cell and an animal cell with the help of diagrams.

(2 x 6 = 12 weightage)