

(BC 8325 B1)
B.Sc Degree (CBCS) Examinations
AUGUST - 2021
EXAMINATION AT THE END OF SEMESTER- VI
PART-II
CELL BIOLOGY

TIME : Three hours

Maximum : 60 Marks

Part – A

Answer any FIVE of the following. Each question carries Four marks

5 x 4m = 20m

1. Mycoplasma
2. Differences between plant & animal Cell
3. Nucleus
4. Cell Wall
5. Mitochondria
6. Apoptosis
7. Principle of Electron Microscopy
8. Sedimentation Coefficient

Part – B

Answer ALL the following questions. Each question carries Eight marks

5 x 8m = 40m

9. a). Give an account on the structure of Viruses

OR

- b). Explain the structure of Prokaryotic & Eukaryotic cell with the help of labelled diagram.

10. a). Explain the role of Endoplasmic Reticulum in relation to protein synthesis.

OR

- b). Discuss the composition of Biological membranes with a neat diagram.

11. a). Describe the prokaryotic & Eukaryotic cell wall structure.

OR

- b). Give an account on ECM components and adhesion proteins.

12. a). Discuss about actin & Myosin as Microfilaments.

OR

- b). Describe phases of cell cycle & Discuss Mitosis.

13. a). Discuss different staining techniques used for microscopy.

OR

- b). Explain Different types of Density gradient centrifugation.

(BC - 8325 BI)
B.Sc Degree (CBCS) Examinations, JULY -2022
VI SEMESTER
CELL BIOLOGY

TIME : 3.00 Hours

Maximum : 60 Marks

Part - A

Answer any FIVE of the following questions.
Each question carries FOUR marks

5 x 4M = 20M

- ~~1.~~ Difference between prokaryotic and eukaryotic cell
- ~~2.~~ Mycoplasma
- ~~3.~~ Composition of biological membranes
- ~~4.~~ Lysosomes
5. ECM components
6. Adhesion proteins
7. Meiosis
8. Apoptosis
9. Fluorescence microscope
10. Confocal microscope

Part - B

Answer ALL the following questions.
Each question carries EIGHT marks

5 x 8 = 40M

~~11.(a)~~ Discuss in detail about the structure of prokaryotic and eukaryotic cell
(or)

(b). Write an essay on structure and characters of viruses

~~12.(a)~~ Discuss in detail about the composition of biological membranes
with neat diagram
(or)

(b). Give detailed notes on structure of nuclear envelope and
nuclear pore complex