



Govt. of Jammu & Kashmir

P.G DEPARTMENT OF ZOOLOGY

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Course Title: INTRODUCTION TO CELL - I

Course Code: IGZOL-17G -708

Continuous Assessment: 10

Credits: 02

End Term: 40

UNIT I: Cell: Basic Concepts-I

- 1.1 Basic properties of cell
- 1.2 General Organization of Prokaryotic Cell
- 1.3 General Organization of Eukaryotic Cell
- 1.4 Introduction to Mycoplasmas, Viruses and Viroids

UNIT II: Cell: Basic Concepts-II

- 2.1 Structure of plasma membrane (Fluid mosaic model)
- 2.2 Cell Wall structure and functions
- 2.3 Membrane transport (Active and passive)
- 2.4 Intercellular communications

Books suggested:

Cell Biology by **Gerald Karp**

Cell and Molecular Biology by **De Robertis**

Cell Biology by **Verma and Agarwal**

Cell and Molecular Biology by **P. K. Gupta**

Cell Biology by **S. C. Rastogi**