

SHIVAJI COLLEGE, UNIVERSITY OF DELHI
DEPARTMENT OF BIOCHEMISTRY
INTERNAL ASSIGNMENT/PROJECTS/PRESENTATIONS
(Academic Year 2023-24)

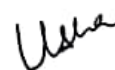
Name of the Course	: B.Sc. (H) Biochemistry	Semester	: V
Name of the Paper	: Advanced Cell Biology	Maximum Marks	: 10
Faculty Name	: Dr. Usha Yadav	Last Date of Submission:	28/10/2023

Answer the following questions:

(2.5x4=10)

- Q1. What are coat proteins? Discuss their role and mechanism of action in vesicle budding and fusion.
- Q2. Compare and contrast the structure, organisation and role of actin filaments, microtubules and intermediate filaments in a cell.
- Q3. Explain how tight junctions help in maintaining the cell polarity.
- Q4. What are the different molecular approaches for cancer treatment?

Faculty Signature:



SHIVAJI COLLEGE, UNIVERSITY OF DELHI
DEPARTMENT OF BIOCHEMISTRY
INTERNAL TEST (Academic Year 2023-24)

Name of the Course	: B.Sc. (H) Biochemistry	Semester	: V
Name of the Paper	: Advanced Cell Biology	Faculty Name	: Dr. Usha Yadav
Duration	: 1hr	Maximum Marks	: 10
Date of Test	: 04/12/2023		

Answer the following questions:

Q1. Differentiate between the following:

2x2=4

- a) Actin networks and actin bundles
- b) Conventional and non-conventional myosin

Q2. Explain the role of calcium in muscle contraction.

4

Q3. What is the polarity of Intermediate filaments? Explain.

2

Faculty Signature:

