



**DR. B. C. ROY COLLEGE OF PHARMACY & AHS, DURGAPUR
(NBA Accredited for UG Pharmacy Program)**

FACULTY: RITUPARNA CHAKI GHOSH

PROGRAM: M. PHARM

Course Code: MPT2061

**Course Name: MOLECULAR PHARMACEUTICS (NANO TECHNOLOGY &
TARGETED DDS) (NTDS)**

SYLLABUS LINK: [CLICK HERE](#)

MCQs FOR PRACTICE: [CLICK HERE](#)

SCOPE

This course is designed to impart knowledge on the area of advances in novel drug delivery systems.

Suggested Books for the Course (with links): TO BE NOTIFIED LATER

Sl. No.	Book Name, Ed., Vol	Authors	Weblink(s)
1.			
2.			
3.			
4.			

Supplementary Materials for Reference and Self Study:

Date	Module (as per Lesson Plan)	Topic	Live Recording Link	Powerpoint Presentation Link	Supplementary Notes / Resources
21/04/2021	UNIT I	Targeted Drug Delivery Systems: Concepts, Events and biological processes involved in	CLICK HERE	CLICK HERE	



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		<i>drug Targeting.</i>			
28/04/2021	UNIT I	Brain targeting of drugs	CLICK HERE	CLICK HERE	BRAIN DRUG DELIVERY
05/05/2021	UNIT I	Brain targeting of drugs	CLICK HERE	CLICK HERE	
12/05/2021	Unit I	Tumour Targeting	CLICK HERE	CLICK HERE	VIDEO LINKS
19/05/2021	UNIT I	Tumour Targeting Introduction to nanoparticles	CLICK HERE	CLICK HERE CLICK HERE	
02/06/2021	UNIT I	Nanoparticles: polymers and preparation	CLICK HERE	CLICK HERE	
09/06/2021	UNIT I	NPS: Preparation, Purification, Fate, Characterization	CLICK HERE	CLICK HERE	
16/06/2021	UNIT I	NPS: Characterization, modification, applications	CLICK HERE	COMPLETE LINK	
07/07/2021	UNIT I	LIPOSOMES	CLICK HERE	CLICK HERE	
28/07/2021	UNIT V	Aptamers, Antisense Oligonucleotides, Liposomes in gene delivery	CLICK HERE	Aptamers AO LGD Gene therapy	