

Q-3	Write short notes on-	
a.	Drug Delivery Systems	7
b.	Nucleic Acid Hybridization	7
Q-4	What is +ve clone selection? Explain the process of IPTG/X-Gal selection.	(4+10)
Q-5	Write short notes on-	
a.	Nanomedicine	7
b.	Nucleases	7
Q-6	Write short notes on-	
a.	Plasmids	7
b.	Restriction digestion of DNA	7
Q-7	Attempt all questions	
a.	Explain the biological methods used for synthesis for nano structures.	7
b.	What is gene gun? Explain its role in gene cloning.	2+5
Q-8	Attempt all questions	
a.	Write briefly about applications of biosensors.	7
b.	How you will separate out the cloned DNA fragment form a plasmid.	7

