Important Note: 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.

Time: 3 hrs.

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17NT82

Eighth Semester B.E. Degree Examination, July/August 2021

Bio-Nanotechnology

CY.

Max. Marks: 100

	Note: Answer any FIVE full questions.	
1	a. Describe the classification and features of Nucleic acids.	(10 Marks)
	b. Write a note on: Chemical transformation using bio-nanomachines.	(10 Marks)
2	a. Explain about energies of light dependent reaction in detail.	(10 Montre)
2	b. Write a short note on Biomaterials and bio-meneralization.	(10 Marks)
	b. Write a short note on Biomaterials and bio-meneralization.	(10 Marks)
3	a. Explain about construction of bio-nanomachines.	(08 Marks)
	b. Discuss about biomolecular structure and stability.	(12 Marks)
	(1)	
4	a. Explain about protein folding.	(10 Marks)
	b. Describe about design principles of self assembly.	(10 Marks)
		(101/141145)
5	a. Explain about nanoscale effects of bio-nanomachines	(10 Marks)
	b. Write a note on Actin and Myosin. Explain about Thymidylate Synthase.	(10 Marks)
	(A) (A)	
6	Explain the Molecular Plans of Biomaterials.	(20 Marks)
		(20 Marks)
7	a. Explain about medical diagnostics indication for diagnostics procedur	e and specific
,	methods.	(10 Marks)
	b. Write a note on Targeted drug delivery.	(10 Marks)
		(101/1411)
8	a. Explain in detail about nanoscale materials for drug delivery.	(10 Marks)
U	b. Discuss about nanomedicine and nanosurgery.	(10 Marks)
	o. Discuss about manormal and m	(10 Marks)
9	a Finds in the neggible etectories for the construction of Die nonemachines	(10 Massles)
9	a Explain the possible strategies for the construction of Bio-nanomachines.b. Discuss about R & D in nanomadicine.	(10 Marks)
	b. Discuss about R & D in hanomadicine.	(10 Marks)
10	White a mate Continue I amount of the continue of Going to the same	(10.7)
10	a. Write a note on Artificial smell sensor. Explain artificial taste sensor.	(10 Marks)
	b. Discuss about artificial light sensor and sensing of chemicals.	(10 Marks)

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