No. of Printed Pages : 1

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Sl. No.

M.Sc. III Semester Degree Examination, April/May - 2024 MICROBIOLOGY

MB DSE1 : Microbial Nanotechnology

(NEP)

Time : 3 Hours			Maximum Marks : 70
Not	e : A B	Answer any five of the following questions with question No. 1 (Q.1 Each question carries equal marks.) is Compulsory .
1.	Des	cribe the quantum dot shell structures.	14
2.	Wri	te an account on nanoparticle based smart delivery system.	14
3.	Exp	lain the fungal mediated synthesis of nanoparticles.	14
4.	Dis	cuss principle of X ray Diffraction.	14
5.	Wri	te the construction and application of FESEM.	14
6.	(a) (b)	Discuss DNA Nanocapsule.	5
	(D) (C)	Write the applications of nanoparticles in medicine.	4
7.	(a) (b)	Briefly discuss Particle size analysis. Photoluminescence.	7 7
8.	(a)	Write a note on emergence and challenges of nanotechnology	ogy. 5
	(b)	Write a note on nanopesticides.	5
	(c)	Write a note on nanoporous polymers in water purification.	4

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