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BETCK105C/BETCKC105

First Semester B.E./B.Tech. Degree Examination, June/July 2023
Introduction to Nano Technology

Time: 3 hrs.

Max. Marks: 100

Note: 1. Answer any FIVE full questions, choosing ONE full question from each module. 2. M: Marks, L: Bloom's level, C: Course outcomes.

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Q.8	a.	Describe the construction and working of Dye-sensitized Solar Cells.	8		CO4
	b.	Explain the construction and working of Fuel cell.	8	L2	CO4
	c.	Mention any four disadvantages of graphite anode.	4	L2	CO4
		Module – 5			
Q.9	a.	Explain any four applications of nanotechnology in agriculture and food industry.	8	L2	CO5
	b.	Describe the applications of nanotechnology in (i) detection of heart attack (ii) 3D – Printed battery (iii) Contact lenses.	6	L2	CO5
	c.	Write a note on (i) Nano fertilizers (ii) Nano electronics	6	L2	CO5
		OR			
Q.10	a.	Explain the applications of nono technology in optics.	8	L2	CO5
	b.	Explain the applications of nano technology in drug delivery and diagnosis.	8	L2	COS
	c.	Write a note on Nano computing.	4	L2	COS
		2 of 2			
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