

Reg.No:

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SNS College of Technology, Coimbatore-35.
(Autonomous)

A

B.E/B.Tech- Internal Assessment -III
Academic Year 2023-2024 (ODD)
First Semester

Department of Science and Humanities
23CHB101- ENGINEERING CHEMISTRY

Time: 1^{1/2} Hours

Maximum Marks: 50

Answer All Questions

PART - A (5 x 2 = 10 Marks)

			CO	Blooms
1.	Define polymer.		CO4	Rem
2.	What is degree of polymerization?		CO4	Rem
3.	What are composites?		CO4	Rem
4.	Write any two applications of atomic absorption spectroscopy?		CO5	Rem
5.	What are chromophores? Give an example.		CO5	Rem
PART - B (13 +13+14=40 Marks)				
			CO	Blooms
6a.	i.Examine how PVC, PE,Teflon and nylon 6,6 are prepared and highlight the properties associated with them to be used as engineering plastics	13	CO4	App
(OR)				
6b.	i. Relate the usage of fiber reinforced plastics in engineering field.	13	CO4 CO4	App App
7a.	i. Compare the working principle, importance and uses of LCDs and LEDs.	13	CO5	Ana
(OR)				
7b.	i.Analyze the principle and instrumentation of UV-Vis spectroscopy in detail.	13	CO5	Ana
8a.	i. Explain the preparation of organic polymers and their importance in engineering applications. ii. Write the preparation and uses of polypropylene.	10 4	CO4 CO4	Ana Ana
(OR)				
8b.	i.Explain how sodium ions are estimated by flame emission spectroscopy.	14	CO5	Ana

Rem/Und:- Remember/Understand, **App-**Apply, **Ana-**Analyze, **Eva-** Evaluate, **Cre-** Create

Prepared By

Teaching Coordinator

HOD / Chemistry

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SNS College of Technology, Coimbatore-35.

(Autonomous)

B

B.E/B.Tech- Internal Assessment -III

Academic Year 2023-2024 (ODD)

First Semester

Department of Science and Humanities

23CHB101- ENGINEERING CHEMISTRY

Time: 1^{1/2} Hours

Maximum Marks: 50

Answer All Questions

PART - A (5 x 2 = 10 Marks)

			CO	Blooms
1.	Define monomer.		CO4	Rem
2.	What are high polymers?		CO4	Rem
3.	How polyethylene can be classified?		CO4	Rem
4.	Write any two applications of flame emission spectroscopy?		CO5	Rem
5.	What are auxochrome? Give an example.		CO5	Rem
PART - B (13 +13+14=40 Marks)				
			CO	Blooms
6a.	i.Examine how PVC, PE,Teflon and nylon 6,6 are prepared and highlight the properties associated with them to be used as engineering plastics	13	CO4	App
(OR)				
6b.	i. Relate the usage of fiber reinforced plastics in engineering field.	13	CO4 CO4	App App
7a.	i. Compare the working principle, importance and uses of LCDs and LEDs.	13	CO5	Ana
(OR)				
7b.	i.Analyze the principle and instrumentation of UV-Vis spectroscopy in detail.	13	CO5	Ana
8a.	i. Explain the preparation of organic polymers and their importance in engineering applications.	10	CO4	Ana
	ii. Write the preparation and uses of polypropylene.	4	CO4	Ana
(OR)				
8b.	i.Explain how sodium ions are estimated by flame emission spectroscopy.	14	CO5	Ana

Rem/Und:- Remember/Understand, App-Apply, Ana-Analyze, Eva- Evaluate, Cre- Create

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