

Model Question Paper-2 with effect from 2019-20 (CBCS Scheme)

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Fourth Semester B.E. Degree Examination Subject Title: Chemical Technology-II (18CH43)

TIME: 03 Hours

Max. Marks: 100

Note: 01. Answer any **FIVE** full questions, choosing at least **ONE** question from each **MODULE**.

Module -1			*Bloom's Taxonomy Level	Marks
Q.01	a	With neat process flow sheet explain the method of extraction and purification of vegetable oil	L2	14
	b	How to you classify vegetable oil explain with example	L1	06
OR			L2	12
Q.02	a	Explain the production of soap by saponification process	L2	12
	b	Explain the process of detergency in detail	L1	4
	c	What are waxes? Explain their industrial application	L1	4
Module-2				
Q. 03	a	Discuss the major engineering problems and economics of sugar production from sugar cane	L2	10
	b	With neat flow diagram explain the production of starch from maize	L2	10
OR				
Q.04	a	Describe the products of Ethanol by Fermentation with flow chart along with major engineering problems.	L2	15
	b	Explain the production of wine making	L1	05
Module-3				
Q. 05	a	Explain the classification of crude and its constituents.	L1	10
	b	Explain the production of CNG	L2	10
OR				
Q. 06	a	Explain the petroleum refining with their fractions	L1	12
	b	Explain the process of production of LNG	L2	08
Module-4				
Q. 07	a	Explain the composition and classification of coal.	L1	08
	b	Explain the method of coal tar distillation	L2	12

OR				
Q. 08	a	What are the requirements for any cellulose raw material for the pulp and paper industry?	L2	15
	b	Explain the method of manufacture of structural boards	L2	05
Module-5				
Q. 09	a	Explain with examples i) biomolecules ii) Differentiate between thermoplastics and thermo setting plastics iii) addition and condensation polymerization	L1	09
	b	Explain the process of production of HDPE	L2	11
OR				
Q. 10	a	Explain the method of production of Melamine formaldehyde	L2	07
	b	Explain the properties and application of natural rubber	L1	06
	c	Explain the process of vulcanization on rubber	L1	07

*Bloom's Taxonomy Level: Indicate as L1, L2, L3, L4, etc. It is also desirable to indicate the COs and POs to be attained by every bit of questions.