B.Tech. Sixth Semester (Food, Pulp & Paper, Oil & Paint and Petro. Tech.) (CGS)

11047 : Oil & Paint Technology - III : 6 OT 04

P. Page Time :	es: 1 Three Hours	AU - 28 Max. Marks	
N	Notes: 1. 2. 3. 4. 5.	Answer three question from Section A and three question from Section B. Due credit will be given to neatness and adequate dimensions. Diagrams and chemical equations should be given wherever necessary. Illustrate your answer necessary with the help of neat sketches. Use of pen Blue/Black ink/refill only for writing the answer book.	
		SECTION – A	
1.	•	in details about pretreatment handling, conditioning & storage of oil seeds. Why ps are important prior to extraction of oil. OR	13
2.	How the working	oil is extracted by mechanical expression? Describe a pressure work expeller & its	13
3.		e a batch type degumming & neutralization process for soybean oil with a neat. Which Parameters influence this process. OR	13
4.		flow diagram of continuous neutralizer and explain the process. How will you caustic requirement and neutralization losses.	13
5.	-	in details the batch type bleaching process of oils & fats with the help of a neat. Which factors should be taken into account in this process. OR	14
6.		you select a safe & effective solvent for solvent extraction of oils and fats. e the working of a solvent extraction plant with a neat diagram.	14
		SECTION - B	
7.		tiate between batch type & continuous type bleacher. Give the utilities for both hat are bleaching chemicals. OR	13
8.		the upgradation & preparation of value added products from soap stock-Give an of pollution control measures in vegetable oil refinery.	13
9.		Describe various Parameters which influence the process of deodorization. How the batch type deodorization process is carried out explain with a neat diagram. OR	
10.	_	nish between butter, margarine & pure ghee. Give their specifications. How ne is produced?	13
11.		getable oils & fats are hydrogenated explain the process in details. What is ity of hydrogenation.	14
12	Write of	OR	14
12.	i) Nie ii) De	oout any two. ckel catalyst for hydrogenation. hydrated castor oil. ysical refining.	14

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