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Roll No

CM-223-CBCS

B.E. III Semester

Examination, June 2020

Choice Based Credit System (CBCS)

Advance Engineering Chemistry

Time : Three Hours

Maximum Marks : 60

- Note:** i) Attempt any five questions.
ii) All questions carry equal marks.

1. Explain the manufacturing process of soap with flow sheet.
2. Explain the reaction rate theories.
3. What is Refractory? Explain in details manufacturing techniques, properties and applications of Acid (Silica) refractories.
4. Describe the process of extracting Vegetable Oils by Mechanical and Solvent Extraction methods.
5. Differentiate between Oils and Fats. Define solvent extraction. How Soyabean oil extraction can be carried out in Laboratory.
6. Define the ceramics and classify the ceramic material based on composition.

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7. Explain how slip casting of ceramics is done. What are the parameters that affect slip casting process?

OR

Enlist the general requirements of a refractory material. Describe the procedure for selection of refractories for a particular application.

8. Write short notes on (any two):
- a) Glass
 - b) Order and molecularity
 - c) Refractory

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