B. Tech.

(Sem. VIII) Examination, 2006-07

ADVANCE QUALITY CONTROL TECHNIQUES

Time : 3 Hours] [Total Marks : 100

Note : (1) Attempt any five questions
(2) Attempt one question from each unit
(3) All questions carry equal marks

UNIT - I

1. How will you separate fatty acids by urea complexes technique?

UNIT - II

3. What do you understand by Gas liquid chromatography? Write its applications.

4. What is thin layer chromatography? Write its merits and demerits.

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UNIT - III

5 What is the range of U.V. visible? Write its applications in analysis of oils.

6 What is the principle of I.R. spectroscopy? Write its applications.

UNIT - IV

7 Write application of semipermeable membrane in the analysis of oil.

8 Applications of TLC-FID analyser for testing of oils and allied products.

UNIT - V

9 Determination of Ni-content in reclaimed catalyst.

10 Determination of phosphotide content in crude mustard oil.