

1127

B.A./B.Sc.(General)-5th Semester**Industrial Chemistry**

Paper – A

Time allowed: 3 Hours

Max. Marks: 75

NOTE: Attempt five questions in all, including Question No. 1 which is compulsory and selecting one question from each Unit.

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I. Attempt the following: -

- (a) List the precautions to be used while sampling and handling of liquid materials.
- (b) Discuss briefly about materials management.
- (c) What is 'profitability criteria'?
- (d) Distinguish giving three points between TLC and paper chromatography.
- (e) What are ion-selective electrodes? (5×3)

UNIT – I

- II. (a) Explain the factors which are involved in project cost estimation.
- (b) Explain the aspects of marketing and pricing policy. (7½+7½)
- III. (a) What are various methods that are employed in capital investment? Explain.
- (b) Write an account of the variation of cost with capacity Break-Even point. (7½+7½)

UNIT – II

- IV. (a) What are the functions of management in control and decision making?
- (b) Write a detailed account of 'Management of Human Resource'. (7½+7½)
- V. Write short notes on the following: -
 - (a) Materials management
 - (b) Selection Incentives
 - (c) Welfare and safety (15)

UNIT – III

- VI. Explain how the sampling of solids, liquids and gases is done. Describe the techniques involved in support of your answer. (15)

F.T.O.