

(AS (ILE)-17002) Finance for Engineers –I

Teaching Scheme:

Lectures: 2 Hrs/week

Examination Scheme:

T1 (Assignment): 20 marks

T2 (Written Test): 20 marks

End Semester Exam: 60 marks

Course Outcomes:

Students will be able to-

1. To understand the importance of financial literacy.
2. To understand the basics of accounting & accounting principles.
3. To analyze & solve the problems based on the above concepts.

Unit I: Accounting, Cost accounting & Management accounting, Various types of business entities, Accounting principles, postulates & meaning of accounting standards, Accounting cycle, Capital and revenue, Revenue, Expenses, Gains & Losses, Types of accounts & their rules, Journal Entries

Unit II: Create ledger, Preparation of Trial Balance, Finalizations, Preparation of Trading & Profit & Loss account, Understanding of Assets & Liabilities, Concept of Balance Sheet, Preparation of Balance sheet

Textbooks:

- “Financial Accounting”, Dr. Kaustubh Sontakke [Himalaya Publishing House]

Reference Books:

- Accounting Theory & Practice Prof Jawahar Lal [Himalaya Publishing House]

[AS (ILE)-17009] Finance for Engineers –II

Teaching Scheme:

Scheme:

Lectures: 2 Hrs/week
marks

Examination

T1 (Assignment): 20

T2 (Written Test):
20 marks End

Semester Exam: 60
marks

Course Outcomes:

Students will be able to-

1. To understand the importance of financial literacy.
2. To understand the basics of accounting & accounting principles.
3. To analyze & solve the problems based on the above concepts.

Unit I: Introduction, Corporate Financial Objectives Ownership Structure and Control

Unit II: Financial Statement Analysis – Ratio Analysis

Unit III: Preparation of Cash Flow statement

Unit IV: Introduction to Break even analysis – Decision Making

Unit V: Return and Risk, Time Value of Money, Annuities and Accumulation, Discounted Payback period, Net Present Value, IRR

Textbooks:

Chandra, Prasanna (2004). Financial Management: Theory and Practice. New Delhi: TATA McGraw Hill

Reference Books:

Brealey, Richard A. and Myers, Stewart C. (1988). "Principles of Corporate Finance", New Delhi: McGraw-Hill