Contents

PART-I Fundamental Concepts of Financial Management

1.	Intro	duction to Financial Management 3-34
	1.1	Human Occupations4
	1.2	Business Organizations8
	1.3	Organizational Structure10
	1.4	Definition of Finance Function13
	1.5	Scope of Finance Function13
	1.6	Classification of Finance Function14
	1.7	Financial Management14
	1.8	Objectives or Goals of Financial Management15
	1.9	Interface Between Finance and Other Areas17
	1.10	Approaches of Business Finance19
	1.11	Business Finance Versus Corporation Finance20
	1.12	Microfinance21
	1.13	Types of Financial Decisions22
	1.14	Organization Chart of Finance Function in Big Organization24
	1.15	Centralization and Decentralization of Accounting and Finance Functions26
	1.16	Changing Scenario of Financial Management in India27
	1.17	Real Life Case Studies27
		■ Summary30 ■ Glossary32
		Self Evaluation Exercises33
2.	Finan	cial System 35-63
	2.1	Introduction36
	2.2	Financial System41
	2.3	Financial Markets42

	2.4	Money Market43
	2.5	Capital Market47
	2.6	Stock Exchange48
	2.7	Analysis of Equity Data52
	2.8	Government Securities or Gilt-edged Securities57
		■ Summary58 ■ Glossary59
		■ Self Evaluation Exercises60 ■ Annexure A61
		■ Annexure B62 ■ Annexure C63
3.	Time	Value of Money 65-107
	3.1	Introduction to Financial Mathematics66
	3.2	Simple Interest66
	3.3	Graphing Time67
	3.4	Compound Interest68
	3.5	Future Value of a Sum70
	3.6	Future Value of an Annuity80
	3.7	Present Value of a Sum85
	3.8	Present Value of an Annuity90
	3.9	Perpetuities93
	3.10	Uneven Streams94
	3.11	Application of Time Value of Money Concept96
	3.12	Nominal and Real Rates of Return100
	3.13	Spread Sheet Applications101
		■ <i>Summary</i> 105 ■ <i>Glossary</i> 106
		Problems106
4.	Valua	tion of Securities 109-151
	4.1	Concepts of Value110
	4.2	Terminology for Bond Valuation111
	4.3	Valuation of Bonds or Debentures112
	4.4	Valuation of Preference Shares115
	4.5	Valuation of Equity Shares117
	4.6	Bond-yield Measures123

xviii

	4.7	Bond Value Theorems126
	4.8	Valuation of Warrants and Convertibles131
	4.9	Equity Valuation: Ratio Approach133
		■ <i>Summary</i> 148 ■ <i>Glossary</i> 149
		■ Self Evaluation Exercises150 ■ Problems150
5.	Risk a	nd Return 153-186
	5.1	Examining the Risk-Return Relationship154
	5.2	Computing the Return on a Single Asset156
	5.3	Computing Expected Returns157
	5.4	Evaluating the Risk of Holding a Single Asset158
	5.5	Coefficient of Variation: Comparing Assets with Different Returns161
	5.6	Computing the Expected Return for a Portfolio of Assets161
	5.7	Types of Risk163
	5.8	Computing Portfolio Standard Deviation166
	5.9	Capital Asset Pricing Model166
	5.10	Required Rate of Return170
	5.11	Security Market Line171
	5.12	Applying the Concepts172
	5.13	Applications of the CAPM173
		■ <i>Summary</i> 183 ■ <i>Glossary</i> 184
		■ Self Evaluation Exercises185 ■ Problems185
6.	Finan	cial Planning 187-204
	6.1	Meaning of Financial Planning188
	6.2	Need and Importance of Financial Planning188
	6.3	Steps in Financial Planning189
	6.4	Nature of Financial Planning190
	6.5	Factors to be taken into consideration while formulating Financial Plans190
	6.6	Characteristics of a Sound Financial Plan191
	6.7	Financial Forecasting192
	6.8	Utility of Financial Forecasting193

- 6.9 Tools of the Financial Forecasting193
- 6.10 Application of Basic Statistic Technique in Business and / or Financial Forecasting195
- 6.11 Growth and External Financing Requirement198
 - Summary203 Glossary204
 - Self Evaluation Exercises204

PART-II Long Term Investment Decisions

7. Capital Budgeting 207-302

7.1	Meaning and Nature of Capital Budgeting208
7.2	Objectives of Capital Budgeting209
7.3	Significance of Capital Budgeting Decisions210
7.4	Capital Budgeting Process211
7.5	Kinds of Capital Budgeting Decisions213
7.6	Information required for Capital Budgeting214
7.7	Techniques219
7.8	Evaluating Projects222
7.9	Capital Rationing233
7.10	Feasibility Report268
7.11	Independent Projects and Capital Rationing275
7.12	Mutually Exclusive Projects277
7.13	Capital Budgeting and Price Level Change Adjustment280
7.14	Economic Rate of Return284
7.15	Social Cost Benefit Analysis284
	■ <i>Summary</i> 285 ■ <i>Glossary</i> 287
	■ Self Evaluation Exercises288 ■ Problems288
	■ Conceptual Cases295 ■ Business Application Cases297
Risk	in Investment Decisions 303-352
8.1	Definition of Risk304

8.2 Areas of Risks304

8.

	8.3	Concept of Certainty, Risk and Uncertainty305
	8.4	Decision Making under Certainty306
	8.5	Decision-making under Risk307
	8.6	Decision Making under Uncertainty308
	8.7	Types of Risk309
	8.8	Sources of Risk310
	8.9	Measures of Risk311
	8.10	Utility Theory and Risk Analysis in Investment Decisions
	8.11	Methods of Adjusted Investment Appraisal320
	8.12	Calculation of Standard Deviation of NPV324
	8.13	Advanced Techniques of Risk Analysis328
		■ Summary350 ■ Glossary351
		Self Evaluation Exercises352
9.	Cost	of Capital 353-392
	9.1	Introduction354
	9.2	Definitions354
	9.3	Concepts of Cost of Capital355
	9.4	Importance of Cost of Capital355
	9.5	Measurement of Cost of Capital356
	9.6	Composite Cost of Capital or Overall Cost of Capital or Weighted Average Cost of Capital371
	9.7	Problems or Limitations of Weighted Average Cost of Capital372
		■ Summary384 ■ Glossary384
		Self Evaluation Exercises
		ConceptualCases386 Business Application Cases390
PA	RT-III	Working Capital Management

10. Working Capital Management 395-481

10.1 Meaning396

10.2 Concept of Working Capital396

	10.3	The Need for Working Capital399
	10.4	Types of Working Capital400
	10.5	Significance of Working Capital402
	10.6	Determination of Working Capital404
	10.7	Estimates of Working Capital Requirement407
	10.8	Methods for Estimating Working Capital Requirements408
	10.9	Approaches of Financing Working Capital431
	10.10	Long-term Sources of Working Capital Finance434
	10.11	Amount of Assistance435
	10.12	Form of Assistance435
	10.13	Sources of Working Capital Finance451
		■ Summary474 ■ Glossary476
		■ Self Evaluation Exercises476 ■ Problems477
		■ Conceptual Cases480
11.	Receiv	vables Management 483-509
	11.1	Meaning484
	11.2	Goals of Credit Management484
	11.3	Credit Policy485
	11.4	Credit Procedures for Individual Accounts486
	11.5	Monitoring of Receivables490
		■ Summary503 ■ Glossary503
		■ Self Evaluation Exercises503 ■ Problems504
		Conceptual Cases506 Business Application Cases507
12.	Cash	Management 511-547
	12.1	Meaning512
	12.2	Facets of Cash Management512
	12.3	Principles of Cash Management513
	12.4	Maintaining an Optimum Cash Balance514
	12.5	Motives for Holding Cash516

12.6 Managing the Cash Flows517

	12.7	Playing the Float519
	12.8	Determining the Optimum Cash Balance519
	12.9	Minimum Bank Balance520
	12.10	Cash Budget520
	12.11	Cash Forecasting521
		■ Summary534 ■ Glossary535
		■ Self Evaluation Exercises536 ■ Problems536
		■ Conceptual Cases541 ■ Business Application Cases542
13.	Inven	tory Management 549-592
	13.1	Meaning550
	13.2	Motives for Holding Inventory550
	13.3	Objectives of Inventory Management552
	13.4	Costing of Materials552
	13.5	Materials Indenting and Purchase System554
	13.6	Pricing of Receipts554
	13.7	Pricing (or Valuation) of Materials Issues555
	13.8	Materials Control558
	13.9	Role of Financial Manager in Inventory Management564
		■ Summary588 ■ Glossary589
		■ Self Evaluation Exercises590 ■ Problems590
		Conceptual Case592 Business Application Case592
		Bibliography592

PART-IV Financing and Dividend Decisions

14. Sources of Finance 595-650

- Types of Finance Requirement 14.1596
- 14.2 Working Capital596
- 14.3 Types or Kinds of Working Capital596
- 14.4 Factors Determining Working Capital597
- 14.5 Sources of Working Capital598

14.6	Meaning of Fixed Capital599
14.7	Factors Determining Requirement of Fixed Capital599
14.8	Sources of Fixed Capital600
14.9	Importance of Fixed Capital600
14.10	Distinction between 'Fixed Capital' and 'Working Capital'601
14.11	Corporate Securities as the Medium of Raising the Capital602
14.12	Ownership Securities603
14.13	Creditorship Securities611
14.14	Commercial Banks615
14.15	Public Deposits617
14.16	Factoring619
14.17	Commercial Paper620
14.18	Bills Discounting as a Means of Finance620
14.19	Lease Financing621
14.20	Retained Earnings633
14.21	Sources of Reserves and Surplus636
14.22	Buy Back of Shares638
14.23	Venture Capital640
14.24	International Capital Market642
14.25	Institutional Finance in India643
	■ Summary647 ■ Glossary648
	Self Evaluation Exercises649

15. Leverages 651-678

.....652 15.1 Introduction 15.2 Trading on Equity653 15.3 Advantages and Disadvantages – Conditions of Success653 Capital Gearing654 15.4 15.5 Leverages655 15.6 Indication of Leverages661674 Glossary Summary675676 Self Evaluation Exercises Problems676

16. Capitalization 679-691

	16.1	Meaning680
	16.2	Over-Capitalization682
	16.3	Under-Capitalization685
	16.4	Relationship between Over-Capitalization and Under-Capitalization687
	16.5	Distinction between 'Over-Capitalization' and 'Under-Capitalization'688
	16.6	Watered Capital689
	16.7	Watered Capital V/S. Over-Capitalization689
	16.8	Fair Capitalization690
		■ Summary690 ■ Glossary691
		■ Self Evaluation Exercises691
17.	Capit	al Structure 693-702
	17.1	Meaning of Capital Structure694
	17.2	Kinds of Capital Structure694
	17.3	Goals/Principles or Determinants of Capital Structure Management695
	17.4	Significance of Capital Structure696
	17.5	Characteristics of an Ideal Capital Structure697
	17.6	Factors affecting Capital Structure697
	17.7	Objectives of Capital Structure Planning699
	17.8	Optimum Capital Structure700
		■ Summary701 ■ Glossary702
		■ Self Evaluation Exercises702
18.	Appro	Daches of Capital Structure 703-747
	18.1	Capital Structure and Cost of Capital704
	18.2	Basic Assumption of Approaches704
	18.3	Symbols and Definitions705
	18.4	Net Income (NI) Approach705
	18.5	Net Operating Income (NOI) Approach707
	18.6	Traditional Approach or Intermediate Approach709
	18.7	Modigliani-Miller (M and M) Approach710

		EBIT – EPS Analysis718Range of Earnings Chart or Indifference Point or EPS Equivalency Point721Why is there a Tax Shield on Debt?723Trade off Theory724Pecking Order Hypothesis725Summary736GlossarySelf Evaluation Exercises738Conceptual Cases742
19.	Mana	gement of Profit 749-756
	19.1	Meaning750
	19.2	Concepts750
	19.3	Role of Profits750
	19.4	Accounting Profit and Economic Profit751
	19.5	Return on Capital Employed (ROCE)752
	19.6	Return on Equity752
	19.7	Allocation Between Dividend and Retained Earnings753
	19.8	Approaches for Management of Profit754
		■ Summary755 ■ Glossary756
		Self Evaluation Exercises756
20.	Divid	end Policy 757-801
	20.1	Introduction758
	20.2	Important Considerations for taking Dividend Decisions759
		Alternative Dividend Policies762
	20.4	Factors in Dividend Policy764
	20.5	Controversies of Dividend Policy765
	20.6	Irrelevance of Dividend766
	20.7	Relevance Versus Irrelevance of Dividends768
	20.8	Theory of Relevance773
	20.9	Rational Dividend Policy under different Business Situations779
	20.10	Empirical Dividend Approaches781

20.11 Stock Split784

- Summary797 Glossary798
- Self Evaluation Exercises799 Problems799
- Conceptual Cases800

PART-V Financial Analysis, Planning and Forecasting

21. Analysis of Financial Statements 805-903

21.1 Introduction806 21.2 Meaning of Financial Analysis808 21.3 Objectives of Analysis and Interpretation809 21.4 Procedure for Analysis811 21.5 Types of Financial Analysis 21.6 Significance of Financial Statements Analysis814 21.7 Limitations of Financial Analysis815 21.8 Techniques of Financial Analysis816 21.9 Comparative Financial Statements817 21.10 Common-size Financial Statements827832 21.11 Trend Analysis 21.12 Ratio Analysis845 21.13 Real Life Case Analysis859 Summary Glossary Self Evaluation Exercises Problems Conceptual Cases Annexure A897 Annexure B Annexure C Annexure D902 22. Funds Flow and Cash Flow Statements 905-949 22.1 Meaning of Funds 22.2 Financial Statements906

- 22.3 Objectives of Funds Flow Statement909
- 22.4 Preparation of Funds Flow Statement909

	22.5	Sources and Application of Funds and the Working Capital Pool	912
	22.6	Advantages of Fund Flow Statement914	
	22.7	Cash Flow Statement914	
	22.8	Preparation of a Cash Flow Statement915	
		■ Summary937 ■ Glossary938	
		Self Evaluation Exercises939 Problems	939
		Conceptual Cases948	
23.	Budg	ets and Budgetary Control System 951-995	
	23.1	Budget952	
	23.2	Essentials for Effective Budgeting952	
	23.3	Objectives of a Budget953	
	23.4	Types (or Classification) of Budgets954	
	23.5	Explanation about Function Budgets955	
	23.6	Master Budget959	
	23.7	Flexible Budgets962	
	23.8	Distinction between Fixed and Flexible Budgets964	
	23.9	Budgetary Control System964	
	23.10	Business Budgets and Budgetary Control967	
	23.11	Zero Base Budgeting (ZBB)968	
		■ Summary986 ■ Glossary988	
		■ Self Evaluation Exercises989 ■ Problems	989

PART-VI Special Topics in Financial Management

24. International Business Finance 999-1041

- 24.1 The Structure of Forex Market1000
- 24.2 Foreign Exchange1003
- 24.3 Foreign Exchange Transaction1003
- 24.4 Various Types of Exchange Rate1004
- 24.5 Exchange Rate Quotations1005
- 24.6 Market Mechanism and Conventions1007

	24.7	Discount and Premium1015
	24.8	Factors affecting Forward Exchange Rates1020
	24.9	The Principal Factors which determine Premium or Discount1022
	24.10	Forward Rates vs. Expected Spot Rates1023
	24.11	Settlement Dates1028
	24.12	Quotes for Various Kinds of Merchant Transactions1031
	24.13	The Indian Forex Markets1036
	24.14	Methods of Effecting Payment1036
		■ Summary1039 ■ Glossary1040
		■ Self Evaluation Exercises1041 ■ Problems1041
25.	Corpo	orate Risk Management 1043-1056
	25.1	Evolution of Risk Management1044
	25.2	Classification of Risks1044
	25.3	Approaches to Risk Management1045
	25.4	Risk Management Process1047
	25.5	Value at Risk1049
	25.6	How are Exposures Created?1051
	25.7	Guidelines for Risk Management1052
	25.8	Risk Management Tools1052
	25.9	Risk Management in Practice1055
		■ Summary1055 ■ Glossary1056
		Self Evaluation Exercises1056
26.	Optio	ns 1057-1075
	26.1	Introduction1058
	26.2	Meaning of Option1058
	26.3	Terms used in Options1058
	26.4	Pay-off from an Option1059
	26.5	Factors influencing Option Prices1061
	26.6	Volatility1062

26.7 Risk-free Interest Rate1063

	26.8	Dividends1063
	26.9	Maximum Profit/Loss Expectation on Options1064
	26.10	Elementary Investment Strategies1064
	26.11	Types of Positions1069
	26.12	Other Options1070 • Summary1074
		■ Glossary1074 ■ Self Evaluation Exercises1075
27.	Cont	emporary Issues 1077-1127
	27.1	Economic Value Added1078
	27.2	Assets and Liability Management1085
	27.3	Real Life Case Studies1086
	27.4	Corporate Restructuring1093
	27.5	Credit Rating1103
	27.6	Value Creation1109
		■ Summary1121 ■ Glossary1122
		Self Evaluation Exercises1123
28.	Cases	on Financial Management 1129-1166
	28.1	Introduction to the Case Method of Study1130
	28.2	Role of Student and Teacher1130
	28.3	Analyzing a Case1130
	28.4	Cases in this Book1131
	28.5	Illustrated Cases1131
	28.6	Cases for Self Evaluation1145
		■ Summary1166 ■ Glossary1166
	Арре	ndices 1167-1172
	Appen	dix – A: Interest Rate Tables1167-1171
	Appen	dix – B: Bibliography1172
	Index	1173-1177