CONTENTS

PREFACE xvii

PAF	RT I ENTREPRENEURIAL PERSPECTIVE	
CHAI	PTER 1 SMALL BUSINESS AND THE ENTREPRENEUR	3
1.1	What is Entrepreneurial Finance? 3	
1.2	Significance of the Small Business 5	
1.3	Entrepreneurship and the Entrepreneur 9	
1.4	The Idea and the Opportunity 12	
	Sources of New Business Ideas 14	
1.5	From an Idea to Reality 16	
	Stage I: Development, Start Up, and Early Crowth 16	
	Stage II: Increasing Growth and Maturity 18	
1.6	Summary 18	
	Key Concepts 18	
	Discussion Questions 19	
CHAF	PTER 2 SMALL BUSINESS OPTIONS	20
2.1	Starting a New Business 20	
	Advantages and Disadvantages of Starting from Scratch 21	
2.2	Important Steps for the Right Start 21	
2.2	Buying an Existing Eusiness 22	
	Advantages 22	
	Disadvantages 23	
2.2	Due Diligence 23	
2.3	Purchase Options 24 Buy-Out Option 24	
	Buy-Out Option 24 Buy-In Option 25	
	Bulk-Asset Buying Option 25	
	Take-Over Option 25	
	The Final Steps in the Buying Process 25	
2.4	Franchise 26	
	Types of Franchise 27	
	Advantages and Disadvantages of the Franchise Option 28	
	The Legal Aspect of Franchising 30	
2.5	Home Business and Family Business 30	
2.6	Summary 34	
	Key Concepts 34	
	Discussion Questions 34	

viii contents

СНАР	TER 3 SMALL BUSINESS PURCHASE PRICE	36
3.1 3.2 3.3 3.4 3.5 3.6	Asset-Based Value 36 Cash Flow-Based Value 39 Market-Based Value 40 Capitalized Earnings-Based Value 41 Financial Ratios-Based Value 43 Summary 44 Key Concepts 45 Discussion Questions 45	
PAR	т II ENTREPRENEURIAL ORGANIZATION	
CHAP		49
4.1	Sole Proprietorship 49 Advantages of Sole Proprietorship 49	
4.2	Sole Proprietorship 49 Advantages of Sole Proprietorship 49 Disadvantages of Sole Proprietorship 50 Partnership 50 Partners' Rights 51 Partners' Responsibilities 51 Types of Partnership 52 Types of Partners 52 Advantages of Partnership 53 Disadvantages of Partnership 53	
4.3	Corporation 54 Justifications for the Creation of Corporations 55 Organizational Structure and Management of Corporations 55 S-Corporation 56 Advantages of Corporation 57 Disadvantages of Corporation 58	
4.4	Other Forms of Eusiness Ownership 58 Limited Liability Company (LLC) 58 Professional Service Corporation (PSC) 60 Joint Venture (JV) 60 Non-Profit Corporation (NPC) 60	
4.5	Cooperatives 60 Summary 62 Key Concepts 62 Discussion Questions 63	
СНАР	TER 5 THE BUSINESS PLAN	64
5.1	What is a Business Plan? 64 Types of Business Plan 64 Importance and Rationale 65	
5.2	Contents of the Plan 66 Title Page 67 Confidentiality Statement 67 Table of Contents 67	

93

CONTENTS ix

	Executive Summary 68
	Business Description 69
	Background 69
	Product 70
	Market 70
	Functional Plans 70
	Operational Plan 71
	Management Plan 71
	Marketing Plan 71
	Financial Plan 73
	Appendix 75
5.3	Other Elements of the Plan 76
	Milestone Chart 76
	SWOT Analysis 76
	Critical Risks 77
	Measures of Control 78
	Succession Plan 78
	Environmental Impact 78
5.4	Reviewing the Plan 79
5.5	Anticipating and Preparing Responses to Potential Risks 82
5.6	Financing the Plan 83
	Venture Capitalists 83
	Angel Investors 84
5.7	Presenting the Plan 84
5.8	Updating the Plan 86
5.9	Grooming the Plan 86
	The Written Text 87
	The PowerPoint Slides 87
5.10	Summary 88
	Key Concepts 88
	Discussion Questions 89
	2 is a distriction of the state

PART III ENTREPRENEURIAL FINANCE AND VALUATION

FINANCIAL STATEMENTS AND THEIR ANALYSIS

6.1 The Balance Sheet 93 Components of the Balance Sheet 94 Balances of the Balance Sheet 96 The Cash Flow Cycle 96 6.2 Income–Expenses Statement 97 6.3 Financial Statement Analysis 99 Vertical Analysis 100 Horizontal Analysis 101 Ratio Analysis 102 6.4 Profitability Ratios 102 Market-Based Ratios 105 Operational Ratios 109 Liquidity Ratios 111

Debt Ratios 113

CHAPTER 6

X	CO		

6.5	The	DuPont	Model	115
())	1110	Duroni	MODEL	113

A Final Word About Ratios 117

6.6 Summary **117**

Key Concepts 118

Discussion Questions 118

CHAPTER 7 CAPITAL STRUCTURE AND LEVERAGE

120

7.1 Debt and Equity Capital 120

Debt Capital 120

Equity Capital 121

Debt versus Equity Financing 122

7.2 The Optimal Capital Structure 125

The Traditional Approach 125

The Modigliani–Miller Approach 130

Other Approaches to Capital Structure 130

7.3 Leverage **133**

Operating Leverage 133

Operating Leverage, Fixed Cost, and Business Risk 136

Financial Leverage 137

Total or Combined Leverage 144

7.4 Summary **145**

Key Concepts 146

Discussion Questions 146

CHAPTER 8 PROFIT AND THE COST-VOLUME ANALYSIS

148

- 8.1 Profit Concept Between Economics and Accounting 148
- 8.2 Profit Margin and Markup 119
- 8.3 Profit and Cash Flow 152
- 8.4 Profitability and Earning Power 154
- 8.5 When Would a Firm Start Collecting Profits? 156

 Cost-Volume -Profit Analysis 156
- 8.6 Break-Even Quantity and Break-Even Revenue 158
- 8.7 Break-Even Graphics 162
- 8.8 Desired Profit and the Break-Even Point 164
- 8.9 Non-Cash Charges and the Break-Even Point 166
- 8.10 Profit Planning 168
- 8.11 Summary 169

Key Concepts 170

Discussion Questions 170

CHAPTER 9 PRO FORMA STATEMENT AND FINANCIAL FORECASTING

172

9.1 Basic Pro Forma Statements 173

Pro Forma Income Statement 174

Pro Forma Balance Sheet 176

- 9.2 Pro Forma and the Sales Ratio 176
- 9.3 Change in Sales (ΔS) and the Needed Fund 178

Financial Forecasting 178

CONTENTS Xi

9.4	Role of Financial Forecasting 179	
9.5	Basic Steps of Forecasting 180	
9.6	Types of Forecasting Models 181	
	Qualitative Models 182	
0.7	Quantitative Models 183	
9.7	The Analysis of Time Series 184 Time Series and Data Variations 184	
9.8	Fitting the Model 185	
9.8	Adjusting for Seasonality 189	
2.5	The Simple Average of Errors Method 190	
	The Actual to Forecast (A/F) Ratio Method 193	
	The Dummy Variables Method 194	
9.10	The Smoothed Forecasts 197	
J.10	Simple Moving Average Method 197	
	The Weighted Moving Average 200	
	Exponential Smoothing 201	
9.11	Barometric Forecasting 204	
9.12	Testing Forecasting Accuracy 206	
	The RMSE Check 207	
	The MAD Check 209	
	The MAPE Check 211	
9.13	Summary 212	
	Key Concepts 213	
	Discussion Questions 213	
CHAP	Exponential Smoothing 201 Barometric Forecasting 204 Testing Forecasting Accuracy 206 The RMSE Check 207 The MAD Check 209 The MAPE Check 211 Summary 212 Key Concepts 213 Discussion Questions 213 PTER 10 WORKING CAPITAL What is Working Capital? 214	21
10.1		
10.2	Working Capital and Profit-Risk Manipulation 215	
10.3	Working Capital and Financing Strategies 218	
	The Aggressive Approach 219	
	The Police of Approach 219	
10.4	The Balanced Approach 219 Summary 22.	
10.4	Key Concepts 221	
	Discussion Questions 221	
	Discussion Questions 221	
CHAP	TER 11 FINANCIAL MANAGEMENT OF WORKING CAPITAL	22
11.1	Cash Management 223	
	The Required Minimum Cash 224	
	Types of Cash and Floats 225	
11.2	Marketable Securities Management 228	
	Common Marketable Securities 228	
11.3	Account Receivable 229	
	Credit Control 229	
	Credit Evaluation 231	
	Cash Discount to Speed Up Collection 233	
	Account Receivable Aging 235	
	Current Liabilities Management 237	

XII CONTENTS

- 11.4 Account Payable and Trade Discounts 238
 - 1. The Traditional Method 238
 - 2. The NCRF Method 239

Cash Discount for Prompt Payments 240

Cumulative and Quantity Discounts 240

11.5 Summary **241**

Key Concepts 241

Discussion Questions 242

CHAPTER 12 INVENTORY MANAGEMENT AND CONTROL

243

12.1 What is Inventory? 243

Inventory Functions 244

Inventory Cost 244

ABC Analysis 245

12.2 Economic Order Quantity (EOQ) 245

EOQ for Quantity Discount 249

EOQ for the Production-Run Model 251

12.3 The Reorder Point 255

Determining the Safety Stock Level 255

- 12.4 JIT-Inventory System 260
- 12.5 Summary **260**

Key Concepts 261

Discussion Questions 261

CHAPTER 13 INVESTMENT PROJECT EVALUATION AND RISK MANAGEMENT

263

13.1 Categories of Investment Purposes 26

Replacement Projects 26.

Renewal Projects 254

Expansive Projects 264

Cost-Reduction Projects 264

Conforming Projects 264

Other projects 264

- 13.2 Steps for Project Selection 265
- 13.3 Types of Projects 266

Independent Projects 266

Mutually Exclusive Projects 266

13.4 Patterns of Cash Flow 267

The Conventional Pattern 267

The Non-conventional Pattern 269

13.5 Project Evaluation Techniques 269

Average Rate of Return 269

Payback Period 271

Net Present Value 272

Internal Rate of Return 276

NPV versus IRR for Mutually Exclusive Projects 279

NPV Profile, Crossover Rate, and the Ranking Reversal 282

Profitability Index and Capital Rationing 284

Investment Projects and Business Risk 286

13.6 Risk and its Sources 287

Where Would Risk Come From? 288

CONTENTS XIII

13.7	Methods of Risk Management 288	
	Risk-Adjusted Discount Rate 289	
	Risk-Adjusted Returns 292	
	The Statistical Adjustment 295	
13.8	Sensitivity Analysis, Scenario Analysis, and Simulation	297
	Decision Tree 300	
13.9	Summary 300	
	Key Concepts 301	
	Discussion Questions 301	

CHAPTER 14 BUSINESS VALUATION AND HARVESTING

303

- 14.1 What is Business Valuation? 303
- 14.2 Valuation Tools 304

Book Value of Assets and Shares

Market Price of Shares 304

Capitalization of Major Variables 304

14.3 Valuation Techniques 305

The Multiplier Approach 305

The Capitalization Approach 308

Varieties of the Capitalization Approach
Harvesting 311

Harvesting 311

- 14.4 What is Business Harvesting? 311
- Harvesting Strategies 312 14.5

Systematic Liquidation 312

Outright Sale 313

Acquisition 314

Going Public

14.6 Summary 317

Key Concepts 317

Discussion Questions

PART IV ENTREPRENEURIAL MANAGEMENT AND CONTROL

CHAPTER 15 BASIC ENTREPRENEURIAL MANAGEMENT

321

15.1 Planning **322** Concepts of Planning 322 The Planning Process 15.2 Organizing 324 Defining the Tasks 324 Functional Departmentalization 324 Range of Control 324 Delegation of Authority 325 Types of Organizational Structures 325 15.3 Staffing 326 15.4 Directing 326 Leadership and Leaders 327 15.5 Controlling 329

15.6 Business Strategies 330

Product Differentiation 330

XIV CONTENTS

Cost Minimization 330

Niche Creation 331

15.7 Summary **331**

Key Concepts 332

Discussion Questions 332

CHAPTER 16 LOCATION AND LAYOUT

334

16.1 Factors Affecting the Selection of Location 335

The General Factors 335

Specific Factors 336

16.2 Types of Business Outlets and Locations 337

Outlets by Types of Goods and Services 338

Retail Outlet Locations 339

Service Outlet Locations 340

Wholesale Outlet Locations 340

Production Plant Locations 340

16.3 Site Selection 341

Low Customer Contact Businesses 342

High Customer Contact Businesses 343

Good Visibility 343

Adequate and Proper Parking 343

Selected Quantitative Measures 344

Radius of the Trading Area 346

Expansion Consideration 347

Alternatives 247

16.4 Site Alternatives **347**

Downtown Area 347

Shopping Plazas and Malls 347

Throughout Neighborhoods 347

At Home 348

16.5 Layout and Design 348

Retail Layout 348

Wholesale Layout 353

Manufacturing Layout 353

Service Layout 354

Exterior/Interior Considerations 356

Sight, Sound, and Smell Considerations 356

Environmental Considerations 357

16.6 Summary **357**

Key Concepts 357

Discussion Questions 358

CHAPTER 17 OPERATIONS, BUDGETING, AND TAXES

359

Operations 359

17.1 Material and Supplies: Buying or Making? 360

17.2 Product Quality 361

Quality Control 362

Statistical Methods to Control Quality 362

Budgeting 363

18.8 Summary **400**

Key Concepts 400 Discussion Questions 401

CONTENTS XV

17.3	Budgetary Variance and Flexible Budgeting 364	
17.4	Types of Budgets 365	
	Operating Budget 365	
	Cash Flow Budget 366	
17.5	Considerations for Budgetary Control 368	
	Taxes 368	
17.6	Types of Taxes 369	
	Firm's Own Business Taxes 369	
	Sales Taxes 369	
	Employment-Related Taxes 369	
	Owner's Taxes 370	
17.7	Taxes and Forms of Business Ownership 371	
17.8	Considerations and Strategies 371	
17.9	Summary 373	
	Key Concepts 374	
	Discussion Questions 374	
CHAP	TER 18 MARKETING, PROMOTION, AND DISTRIBUTION	37
10.1	M.I. 10	
18.1	Market and Customer 375	
18.2	The Changing Target Market 376 Marketing and Customer's Decisions 378	
10.2	Marketing and Customer's Decisions 378 Identifying the Needs/Wants 378	
	Searching and Collecting Information 379	
	Evaluating the Alternatives 379	
	Making the Final Choice 379	
	Post-Purchase Stage 380	
18.3	Marketing Research 381	
10.5	Secondary Data 381	
	Primary Data 382	
	Marketing Strategy 383	
18.4	Product 383	
	Product I in Cycle 384	
	The Total Product 385	
	Product Commercialization 389	
18.5	Price 389	
	Considerations for a Pricing Policy 389	
	Price Strategies 390	
18.6	Place 393	
	Storage 393	
	Transportation 394	
	Distribution 394	
18.7	Promotion 396	
	Personal Selling 396	
	Sales Promotion 397	
	Advertising 398	
	Publicity and Public Relations 399	

xvi CONTENTS

CHAP	TER 19 HUMAN RESOURCE MANAGEMENT	402
19.1	Job Analysis 402	
	Job Description 403	
	Job Specification 403	
	Job Application 403	
	Job Satisfaction 404	
19.2	Personnel Planning 404	
	Recruiting 405	
	Screening and Selecting 406	
	Hiring and Orienting 408	
	Compensation and Benefits 412	
	Appraisal and Evaluation 414	
	Terminating 416	
	Other Issues 446	
	The Discipline System 418	
19.3	Summary 419	
	Key Concepts 420	
	Discussion Questions 420	
APPF	ENDIX	421
GLOS	SSARY	427
FURT	THER READING	439
INDE	'Y	441
INDL		771
	~O.,	
	The Discipline System 418 Summary 419 Key Concepts 420 Discussion Questions 420 ENDIX SSARY THER READING EX	