



# CONTENTS

	PAGE
<i>Foreword</i>	<i>I-3</i>
<i>Acknowledgement</i>	<i>I-5</i>
<i>About NISM certifications</i>	<i>I-7</i>
<i>About the certification examination for portfolio managers</i>	<i>I-9</i>
<i>Syllabus outline and weightages</i>	<i>I-19</i>

## CHAPTER 1 INVESTMENTS

<b>1.1</b>	What is Investment?	<i>1</i>
<b>1.2</b>	Investment <i>versus</i> Speculation	<i>3</i>
<b>1.3</b>	Investment Objectives	<i>3</i>
<b>1.4</b>	Estimating the required rate of return	<i>5</i>
<b>1.5</b>	Types of Investments	<i>10</i>
<b>1.6</b>	Channels for making investments	<i>16</i>

## CHAPTER 2 INTRODUCTION TO SECURITIES MARKETS

<b>2.1</b>	Securities Market	<i>23</i>
<b>2.2</b>	Primary and Secondary market	<i>25</i>
<b>2.3</b>	Market participants and their activities	<i>31</i>

## **CHAPTER 3**

### **INVESTING IN STOCKS**

<b>3.1</b>	Equity as an investment	<i>39</i>
<b>3.2</b>	Diversification of risk through equity instruments	<i>40</i>
<b>3.3</b>	Risks of equity investments	<i>41</i>
<b>3.4</b>	Overview of Equity Market	<i>43</i>
<b>3.5</b>	Equity research and stock selection	<i>45</i>
<b>3.6</b>	Technical Analysis	<i>66</i>
<b>3.7</b>	Understanding Corporate Governance	<i>70</i>

## **CHAPTER 4**

### **INVESTING IN FIXED INCOME SECURITIES**

<b>4.1</b>	Overview of Fixed Income Securities	<i>75</i>
<b>4.2</b>	Bond Characteristics	<i>77</i>
<b>4.3</b>	Determinants of bond safety	<i>80</i>
<b>4.4</b>	Valuation of Bonds	<i>82</i>
<b>4.5</b>	Measuring Price Volatility of bonds	<i>91</i>

## **CHAPTER 5**

### **DERIVATIVES**

<b>5.1</b>	Definition of Derivatives	<i>101</i>
<b>5.2</b>	Types of derivative products	<i>102</i>
<b>5.3</b>	Structure of derivative markets	<i>108</i>
<b>5.4</b>	Purpose of Derivatives	<i>109</i>
<b>5.5</b>	Commodity and Currency Futures and Options	<i>110</i>
<b>5.6</b>	Underlying concepts in derivatives	<i>112</i>
<b>5.7</b>	Investment in Derivatives in Portfolio Managers	<i>114</i>

## **CHAPTER 6**

### **MUTUAL FUND**

<b>6.1</b>	Concept and Role of Mutual Fund	<i>117</i>
<b>6.2</b>	Benefits of investing through mutual funds	<i>118</i>
<b>6.3</b>	Legal Structure of Mutual Fund in India	<i>120</i>
<b>6.4</b>	Working of mutual funds	<i>121</i>
<b>6.5</b>	Types of Mutual fund products	<i>124</i>
<b>6.6</b>	Processes of investing in mutual funds	<i>126</i>
<b>6.7</b>	Legal and Regulatory Framework – Key SEBI Regulation	<i>128</i>
<b>6.8</b>	Fact Sheet - Scheme Related Information	<i>129</i>
<b>6.9</b>	Net Asset Value, Total Expense Ratio, Pricing of Units	<i>130</i>
<b>6.10</b>	Mutual Fund Scheme Performance	<i>131</i>
<b>6.11</b>	Key performance measures	<i>131</i>

## **CHAPTER 7**

### **ROLE OF PORTFOLIO MANAGERS**

<b>7.1</b>	Overview of portfolio managers in India	<i>135</i>
<b>7.2</b>	Types of portfolio management services	<i>137</i>
<b>7.3</b>	Organizational structure of PMS in India	<i>138</i>
<b>7.4</b>	Registration requirements of a Portfolio Manager	<i>139</i>
<b>7.5</b>	General Responsibilities of a Portfolio Manager	<i>144</i>
<b>7.6</b>	Administration of investor's portfolio	<i>146</i>

## **CHAPTER 8**

### **OPERATIONAL ASPECTS OF PORTFOLIO MANAGERS**

<b>8.1</b>	Entities which can invest in PMS	<i>153</i>
<b>8.2</b>	Disclosures to the prospective clients	<i>154</i>

	PAGE
<b>8.3</b> Process of On-boarding of clients	<i>161</i>
<b>8.4</b> Direct On-boarding in PMS	<i>167</i>
<b>8.5</b> Liability in case of Default	<i>168</i>
<b>8.6</b> Redressal of investors grievances	<i>169</i>
<b>8.7</b> Disclosures to the regulator	<i>169</i>
<b>8.8</b> Costs, expenses and fees of investing in PMS	<i>170</i>

## **CHAPTER 9**

### **PORTFOLIO MANAGEMENT PROCESS**

<b>9.1</b> Importance of Asset Allocation Decision	<i>179</i>
<b>9.2</b> Understanding correlation across asset classes and securities	<i>180</i>
<b>9.3</b> Steps in Portfolio Management process	<i>181</i>
<b>9.4</b> Asset allocation decision	<i>192</i>
<b>9.5</b> Strategic <i>versus</i> Tactical Asset Allocation	<i>193</i>
<b>9.6</b> Rebalancing of Portfolio	<i>194</i>

## **CHAPTER 10**

### **TAXATION**

<b>10.1</b> Taxation of investors	<i>197</i>
<b>10.2</b> Taxation of various streams of income	<i>205</i>
<b>10.3</b> Section 9A of ITA	<i>214</i>

## **CHAPTER 11**

### **REGULATORY, GOVERNANCE AND ETHICAL ASPECTS OF PORTFOLIO MANAGERS**

<b>11.1</b> Prevention of Money Laundering Act, 2002	<i>219</i>
<b>11.2</b> SEBI (Prohibition of Insider Trading) Regulations, 2015	<i>222</i>
<b>11.3</b> SEBI (Prohibition of Fraudulent and Unfair Trade Practices Relating to Securities Market) Regulations, 2003	<i>225</i>

	PAGE
11.4 SEBI (Portfolio Managers) Regulations, 2020	227
11.5 Best practices for portfolio managers	237
11.6 Investor Charter for Portfolio Management Services	239

## CHAPTER 12

### INTRODUCTION TO INDICES

12.1 What is an Index?	241
12.2 Uses of Indices	242
12.3 Factors differentiating the indices	242
12.4 Index Methodologies	250
12.5 Stock Market Indices	252
12.6 Bond Market Indices	258
12.7 Stock-Bond (Composite) Indices	262

## CHAPTER 13

### CONCEPT OF INFORMATIONAL EFFICIENCY

13.1 Informational Efficiency <i>versus</i> Operational Efficiency	265
13.2 Efficient Capital markets and Random Walk Theory	267
13.3 Tests and Results of Efficient Market Hypotheses	268
13.4 Market Anomalies	268
13.5 Implication of market efficiency on Valuation and Portfolio Management	270

## CHAPTER 14

### BEHAVIOURAL FINANCE

14.1 Behavioural Finance <i>versus</i> Standard Finance	273
14.2 How do individuals make decision?	274
14.3 Categorization of Biases	276
14.4 Fusion Investing	280
14.5 Behavioural Finance and Market Anomalies	281

## CHAPTER 15

### INTRODUCTION TO MODERN PORTFOLIO THEORY

15.1	Framework for constructing portfolios - Modern Portfolio Theory	285
15.2	Assumptions of the theory	286
15.3	Definition of risk averse, risk seeking and risk neutral investor	286
15.4	Expected rate of return for individual security	288
15.5	Variance of return for individual security (Ex-Ante Risk)	288
15.6	Expected rate of return for a portfolio (Ex-Ante Return)	289
15.7	Variance of return for a portfolio	290
15.8	Graphical presentation of portfolio risk/return of two securities	292
15.9	Efficient Frontier	294
15.10	Portfolio Optimization Process	296
15.11	Estimation issues	296

## CHAPTER 16

### INTRODUCTION TO CAPITAL MARKET THEORY

16.1	Introduction to Capital Market Theory	301
16.2	Assumptions of Capital Market Theory and the implication of relaxing these assumptions	302
16.3	Capital Market Line	303
16.4	Market Portfolio	307
16.5	Extending the CML	307
16.6	Diversification of risk and market portfolio	309
16.7	Types of risk – Market and Non-market risk	309
16.8	Capital Asset Pricing Model, CAPM	310
16.9	Security Market Line	312
16.10	Empirical test of CAPM	313
16.11	Multi factor models of risk and return	314

## CHAPTER 17

### RISK

17.1	Definition of Risk	317
17.2	Process of Risk Management	318
17.3	Different Types of Risks	319
17.4	Measuring Risk	329
17.5	Managing Risk	339

## CHAPTER 18

### EQUITY PORTFOLIO MANAGEMENT STRATEGIES

18.1	Passive Management Strategies	347
18.2	Active Management Strategies	350
18.3	The fundamental law of active management	352
18.4	Active <i>versus</i> passive management	355
18.5	Smart Beta management strategies	357
18.6	Factor-based portfolios	359
18.7	Momentum Investing	362
18.8	Investment Management Styles	363
18.9	Socially Responsible Investing (SRI) or Ethical Investing	366
18.10	Core and Satellite Investment Management Approach	367
18.11	Alpha Beta Separation	368
18.12	Constructing Equity Portfolio with Derivative Securities	369
18.13	Protecting Portfolios with Put Options	371
18.14	Global Active Strategy	372

## CHAPTER 19

### FIXED INCOME PORTFOLIO MANAGEMENT STRATEGIES

19.1	Introduction to fixed income instruments	383
------	--	-----

	PAGE
19.2 Passive management strategies	384
19.3 Active Management Strategy	394
19.4 Global Fixed Income Strategy	400
19.5 Constructing Bond Portfolio with Derivative Securities	401
19.6 Protecting Portfolios with Derivatives	403

## CHAPTER 20

### PERFORMANCE MEASUREMENT AND EVALUATION OF PORTFOLIO MANAGERS

20.1 Parameters to define performance – Risk and return	409
20.2 Rate of return measures	409
20.3 Risk measures	426
20.4 Risk-adjusted return	429
20.5 Performance Evaluation: Benchmarking and peer group analysis	435
20.6 Performance attribution analysis	436
20.7 Performance reporting to the Investor	441
20.8 Valuation of securities by Portfolio Managers	442
20.9 Due Diligence and Portfolio Manager Selection	442
20.10 Global Investment Performance Standards (GIPS®)	443
20.11 GIPS Advertisement Guidelines	444

## CHAPTER 21

### PORTFOLIO REBALANCING

21.1 Need for rebalancing	453
21.2 Costs and difficulties of rebalancing	454
21.3 Periodicity of rebalancing	454
21.4 Buy and Hold Strategy	455
21.5 Constant Mix Strategy	456
21.6 Constant Proportion Portfolio Insurance	456
ANNEXURE : Z-Table	461