

CONTENTS

	Page No.
Declaration	ii
Abstract	iii
Acknowledgements	viii
List of Figures	xix
List of Tables	xx
Research Papers Presented/Published	xxiii
Abbreviations	xxiv
CHAPTER 1 INTRODUCTION	1
1.1 EVOLUTION AND GROWTH OF INDIAN BANKING	1
1.2 ROLE OF BANKS AND NEED FOR SUPERVISION	5
1.3 SUPERVISORY SYSTEM FOR BANKS IN INDIA	5
1.4 OFF SITE SUPERVISION SYSTEM	6
1.5 ON-SITE EXAMINATION	7
1.6 CONCEPT OF CAMELS RATING	7
1.7. COMPONENTS OF CAMELS RATING	8
1.7.1 C- CAPITAL ADEQUACY	8
1.7.2. A-ASSET QUALITY	9
1.7.3 M-MANAGEMENT EFFICIENCY	9
1.7.4. E-EARNING CAPABILITY	9
1.7.5. L-LIQUIDITY	10
1.7.6. S-SYSTEM AND CONTROL	10
1.8 COOPERATIVE BANKING SECTOR	10
1.9 STRUCTURE OF INDIAN COOPERATIVE BANKING SYSTEM	12
1.9.1 LONG TERM COOPERATIVE CREDIT STRUCTURE	12
1.9.2 SHORT TERM COOPERATIVE CREDIT STRUCTURE	14
1.10 ROLE OF COOPERATIVE BANKS IN PUNJAB	19

CHAPTER 2	LITERATURE REVIEW	24
CHAPTER 3	RESEARCH METHODOLOGY	55
3.1	NEED OF STUDY	55
3.2	OBJECTIVES OF THE STUDY	56
3.3	RESEARCH METHODOLOGY	56
3.3.1	SCOPE OF STUDY	56
3.3.2	PERIOD OF DATA	58
3.3.3	SOURCES OF DATA	58
3.4	TECHNIQUES OF ANALYSIS	58
3.4.1	RATIO ANALYSIS	58
3.4.1.1	CAPITAL ADEQUACY RATIOS	58
3.4.1.2	ASSET QUALITY RATIOS	58
3.4.1.3	MANAGEMENT EFFICIENCY RATIOS	59
3.4.1.4	EARNING CAPABILITY RATIOS	59
3.4.1.5	LIQUIDITY RATIOS	59
3.4.2	STATISTICAL FRAMEWORK	60
3.4.2.1	SIMPLE STATISTICAL TECHNIQUES	60
3.4.2.2	ADVANCED STATISTICAL TOOLS	60
3.4.2.2.1	TREND ANALYSIS	60
i.	COMPOUND GROWTH RATES	60
ii.	TREND EQUATION	61
iii.	STANDARD ERROR OF THE MEAN	61
iv.	COEFFICIENT OF VARIATION	61
3.5	LIMITATIONS OF THE STUDY	61
CHAPTER 4	CAPITAL ADEQUACY	64
4.1	INTRODUCTION	64
4.2	CAPITAL ADEQUACY	65
4.3	CAPITAL ADEQUACY IN INDIA	66
4.4	CAPITAL ADEQUACY IN DISTRICT	68

	CENTRAL COOPERATIVE BANKS IN PUNJAB	
4.4.1	TRENDS IN TIER I CAPITAL IN SELECTED DCCBs OF PUNJAB	68
4.4.2	TRENDS IN TIER II CAPITAL OF SELECTED DCCBs OF PUNJAB	71
4.4.3	TRENDS IN TOTAL CAPITAL OF SELECTED DCCBs OF PUNJAB	74
4.4.4	TRENDS IN RISK WEIGHTED ASSETS (RWA) OF SELECTED DCCBs OF PUNJAB	77
4.4.5	TRENDS IN TOTAL CAPITAL ADEQUACY RATIO OF SELECTED DCCBs OF PUNJAB	80
4.4.6	TRENDS IN TIER I CAPITAL TO RISK WEIGHTED ASSETS OF SELECTED DCCBs OF PUNJAB	83
4.4.7	TRENDS IN TIER II TO RISK WEIGHTED ASSETS (RWA) OF SELECTED DCCBs OF PUNJAB	86
4.5	COMPARATIVE STUDY OF CAPITAL ADEQUACY RATIOS OF SELECTED DCCBs OF PUNJAB	89
CHAPTER 5	ASSET QUALITY	97
5.1	INTRODUCTION	97
5.2	CLASSIFICATION OF LOANS AND ADVANCES	98
5.3	PROVISIONS FOR VARIOUS CATEGORIES OF ASSETS	100
5.3.1	PROVISIONS FOR STANDARD ASSETS	101
5.3.2	PROVISIONS FOR SUB-STANDARD ASSETS	101
5.3.3	DOUBTFUL ASSETS	101
5.3.4	PROVISIONS FOR LOSS ASSETS	101

5.4	ASSET QUALITY IN SELECTED DISTRICT CENTRAL COOPERATIVE BANKS OF PUNJAB	102
5.4.1	TRENDS IN GROSS NPAS TO GROSS ADVANCES RATIO OF DCCBs IN PUNJAB	102
5.4.2	TRENDS IN NET NPAS TO NET ADVANCES RATIO OF DCCBs IN PUNJAB	105
5.4.3	TRENDS IN SUBSTANDARD ASSETS TO TOTAL ADVANCES RATIO OF DCCBs IN PUNJAB	108
5.4.4	TRENDS IN DOUBTFUL ASSETS TO TOTAL ADVANCES RATIO OF DCCBs IN PUNJAB	111
5.4.5	TRENDS IN LOSS ASSETS TO TOTAL ADVANCES RATIO OF DCCBs IN PUNJAB	114
5.4.6	TRENDS IN EARNING ASSETS TO TOTAL ASSETS RATIO OF DCCBs IN PUNJAB	117
5.5	COMPARATIVE STUDY OF ASSET QUALITY OF DCCBs IN PUNJAB	120
CHAPTER 6	MANAGEMENT EFFICIENCY	129
6.1	INTRODUCTION	129
6.1.1	PRODUCTIVITY APPROACHES IN BANKS	130
6.1.2	INDICATORS OF PRODUCTIVITY IN BANKS	130
6.2	MANAGEMENT EFFICIENCY IN DCCBs OF PUNJAB	131
6.2.1	TRENDS IN TOTAL ADVANCES TO TOTAL DEPOSITS RATIO OF DCCBs IN PUNJAB	131
6.2.2	TRENDS IN PROFIT PER EMPLOYEE	134

	OF DCCBs IN PUNJAB	
6.2.3	TRENDS IN PROFIT PER BRANCH OF DCCBs IN PUNJAB	137
6.2.4	TRENDS IN BUSINESS PER EMPLOYEE OF DCCBs IN PUNJAB	140
6.2.5	TRENDS IN BUSINESS PER BRANCH OF DCCBs IN PUNJAB	143
6.2.6	TRENDS IN COST OF MANAGEMENT PER EMPLOYEE OF DCCBs IN PUNJAB	145
6.2.7	TRENDS IN COST OF MANAGEMENT PER BRANCH OF DCCBs IN PUNJAB	148
6.2.8	TRENDS IN INTEREST INCOME PER BRANCH OF DCCBs IN PUNJAB	151
6.2.9	TRENDS IN AVERAGE YIELD ON ASSETS OF DCCBs IN PUNJAB	153
6.2.10	TRENDS IN AVERAGE COST OF FUNDS OF DCCBs IN PUNJAB	156
6.2.11	TRENDS IN COST OF MANAGEMENT TO AVERAGE WORKING FUNDS RATIO OF DCCBs IN PUNJAB	159
6.2.12	TRENDS IN AVERAGE COST OF DEPOSITS RATIO OF DCCBs IN PUNJAB	162
6.2.13	TRENDS IN AVERAGE COST OF BORROWINGS OF DCCBs IN PUNJAB	165
6.3	COMPARATIVE STUDY OF MANAGEMENT EFFICIENCY IN DCCBs OF PUNJAB	167
CHAPTER 7	EARNING CAPABILITY	178
7.1	INTRODUCTION	178
7.2	STUDY OF EARNING CAPABILITY RATIOS IN DCCBs OF PUNJAB	179
7.2.1	TRENDS IN NET PROFIT TO OWNED FUNDS RATIO OF DCCBs IN PUNJAB	180

7.2.2	TRENDS IN NET PROFIT TO AVERAGE WORKING FUNDS RATIO OF DCCBs IN PUNJAB	182
7.2.3	TRENDS IN INTEREST INCOME TO TOTAL INCOME RATIO OF DCCBs IN PUNJAB	185
7.2.4	TRENDS IN NET PROFIT TO TOTAL ASSETS RATIO OF DCCBs IN PUNJAB	188
7.2.5	TRENDS IN PROVISIONS FOR NPA TO TOTAL INCOME RATIO OF DCCBs IN PUNJAB	191
7.2.6	TRENDS IN NON INTEREST INCOME TO WORKING CAPITAL RATIO OF DCCBs IN PUNJAB	194
7.2.7	TRENDS IN COST OF MANAGEMENT TO TOTAL INCOME RATIO OF DCCBs IN PUNJAB	196
7.2.8	TRENDS IN AVERAGE YIELD ON LOANS RATIO OF DCCBs IN PUNJAB	199
7.2.9	TRENDS IN AVERAGE YIELD ON INVESTMENT RATIO OF DCCBs IN PUNJAB	202
7.2.10	TRENDS IN COST OF MANAGEMENT TO TOTAL EXPENDITURE RATIO OF DCCBs IN PUNJAB	205
7.2.11	TRENDS IN INTEREST EXPANDED TO TOTAL EXPENDITURE RATIO OF DCCBs IN PUNJAB	208
7.3	COMPARATIVE STUDY OF EARNING CAPABILITY OF DCCBs IN PUNJAB	211
CHAPTER 8	LIQUIDITY	220
8.1	INTRODUCTION	220

	8.1.1 LIQUIDITY IN DCCBs	222
8.2	STUDY OF LIQUIDITY RATIOS IN SELECTED DCCBs IN PUNJAB	223
	8.2.1 TRENDS IN QUICK LIQUID ASSETS TO TOTAL ASSETS RATIO OF DCCBs IN PUNJAB	223
	8.2.2 TRENDS IN QUICK LIQUID ASSETS TO TOTAL DEPOSITS RATIO OF DCCBs IN PUNJAB	226
	8.2.3 TRENDS IN QUICK LIQUID ASSETS TO DEMAND DEPOSITS OF DCCBs IN PUNJAB	229
	8.2.4 TRENDS IN GOVERNMENT SECURITIES TO TOTAL ASSETS OF DCCBs IN PUNJAB	232
	8.2.5 TRENDS IN CASH TO DEPOSIT RATIO OF DCCBs IN PUNJAB	234
	8.2.6 TRENDS IN TIME DEPOSITS TO TOTAL DEPOSIT RATIO OF DCCBs IN PUNJAB	238
	8.2.7 TRENDS IN LOANS TO EARNING ASSETS RATIO OF DCCBs IN PUNJAB	240
8.3	COMPARATIVE STUDY OF LIQUIDITY OF DCCBs IN PUNJAB	243
Chapter 9	SYSTEMS AND CONTROL	251
	9.1 INTRODUCTION	251
	9.2 IMPORTANCE OF SYSTEM AND CONTROL IN DCCBs	251
	9.3 OBJECTIVES OF GOOD SYSTEMS AND CONTROL	251
	9.4 SYSTEMS IN DISTRICT CENTRAL COOPERATIVE BANKS IN PUNJAB	252
	9.4.1 ACCOUNTING SYSTEM IN DCCBs	252

	9.4.2 ADMINISTRATIVE SYSTEM IN DCCBs	253
	9.4.3 HUMAN RESOURCE MANAGEMENT SYSTEM	254
Chapter 10	SUMMARY AND FINDINGS	256
10.1	INTRODUCTION	256
10.2	NEED FOR EFFECTIVE SUPERVISION	256
10.3	SUPERVISORY SYSTEM IN INDIA	257
	10.3.1 OFF SITE SUPERVISION SYSTEM	257
	10.3.2 ON-SITE EXAMINATION	258
10.4	CONCEPT OF CAMEL RATING	259
10.5	COMPONENTS OF CAMEL RATING	259
	10.5.1 C- CAPITAL ADEQUACY	259
	10.5.2. A-ASSET QUALITY	260
	10.5.3 M-MANAGEMENT EFFICIENCY	260
	10.5.4. E-EARNING CAPABILITY	261
	10.5.5. L-LIQUIDITY	261
	10.5.6. S- SYSTEMS AND CONTROL	261
10.6	COOPERATIVE BANKING SECTOR	261
10.7	STRUCTURE OF INDIAN COOPERATIVE BANKING SYSTEM	262
10.8	OBJECTIVES OF THE STUDY	262
10.9	RESEARCH METHODOLOY	263
10.10	RESULTS OF THE STUDY	263
	10.10.1 COMPARATIVE STUDY OF DCCBs IN CAPITAL ADEQUACY	263
	10.10.2 COMPARATIVE STUDY OF DCCBs IN ASSETS QUALITY	265
	10.10.3 COMPARATIVE STUDY OF DCCBs IN MANAGEMENT EFFICIENCY	268
	10.10.4 COMPARATIVE STUDY OF DCCBs IN EARNING CAPABILITY	274
	10.10.5 COMPARATIVE STUDY OF DCCBs IN LIQUIDITY	279

Chapter 11	CONCLUSION AND SUGGESTIONS	283
11.1	FINDINGS AND CONCLUSIONS	283
11.2	RECOMMENDATIONS	285
11.3	SCOPE FOR FURTHER RESEARCH	286
	BIBLIOGRAPHY	287