

Sacred Heart College (Autonomous)

Department of Commerce

Master of Commerce [Finance and Taxation]

Course plan

Academic Year: 2018-19

Semester I

Course I: 16P1COMT01: ADVANCED FINANCIAL ACCOUNTING - I

PROGRAMME	Master of Commerce	SEMESTER	1
COURSE CODE AND TITLE	16P1COMT01: ADVANCED FINANCIAL ACCOUNTING - I	CREDIT	4
HOURS/WEEK	5	HOURS/SEM	90
FACULTY NAME	Dr.Remya Ramachandran		

Programme Outcome	
PO 1	Exercise their critical thinking in creating new knowledge leading to innovation, entrepreneurship and employability
PO 2	Effectively communicate the knowledge of their study and research in their respective disciplines to their stakeholders and to the society at large.
PO 3	Make choices based on the values upheld by the institution, and have the readiness and know-how to preserve environment and work towards sustainable growth and development
PO 4	Develop an ethical view of life, and have a broader (global) perspective transcending the provincial outlook
PO5	Explore new knowledge independently for the development of the nation and the world and are able to engage in a lifelong learning process.
PROGRAM SPECIFIC OUTCOMES	
PSO 1	Fostering students with the requisite advanced knowledge and skills in the field of accounting, management, finance, taxation and securities market.
PSO 2	Enabling acquisition of aptitude in students in their respective area of interest and equipping them to explore a career of their choice in commerce.
PSO 3	Instilling interest in research and academic fields, help students to pursue NET/SET and such other exams.
PSO 4	Developing overall personality of students and inculcating in them problem-solving skills in their respective fields.
PSO 5	Creating a community that contributes towards sustainable development, inclusive growth, involve in nation building through a global perspective and gives priority for ethics.

	COURSE OUTCOMES	PO/ PSO	CL
CO 1	Critical analysis and valuation of goodwill and value of shares and compare the real value of shares and with the market prices	PO1,PO2, PO5, PSO1 PSO2, PSO3 PSO4	A
CO 2	Determination of purchase consideration in the event of amalgamation and Students are able to prepare consolidated financial statements of group companies	PO1,PO2, PO5, PSO1 PSO2, PSO3 PSO4,	A
CO 3	Study of reorganisation schemes and Students are able to prepare statement of affairs and deficiency account of individuals	PO1,PO2, PO5, PSO1 PSO2, PSO3 PSO4	A
CO 4	Study of Human Resource Accounting various methods of Valuing Human Resource enabling students in calculating the value of Human Resource which is the most important resource of the business	PO1,PO2, PO4, PO5, PSO1 PSO2, PSO3 PSO4, PSO5	U
CO 5	Strong understanding about the International Financial Reporting Standards which is necessary in the modern Global Market	PO1,PO2, PO5, PSO1 PSO2, PSO3 PSO4 PSO5	U

	PO 1	PO 2	PO 3	PO 4	PO 5	PSO 1	PSO 2	PSO 3	PSO 4	PSO5
CO 1	2	3	0	0	1	3	3	2	3	0
CO 2	2	3	0	0	1	3	3	2	3	0
CO 3	2	3	0	0	1	3	3	2	3	0
CO 4	2	3	0	1	1	3	3	2	3	1
CO 5	2	3	0	0	2	3	3	2	3	2

SESSION	TOPIC	LEARNING RESOURCES	VALUE ADDITIONS	COURSE OUTCOME
MODULE I –Chapter -1				
1	Goodwill meaning and definition, Factors affecting goodwill	PPT		CO 1
2	Methods of valuing goodwill-Average profit method	PPT/Lecture		CO 1
3	Methods of valuing goodwill-Average profit method	PPT/Lecture		CO 1
4	Methods of valuing goodwill-Super profit method	PPT/Lecture		CO 1
5	Methods of valuing goodwill-Super profit method	PPT/Lecture		CO 1
6	Methods of valuing goodwill-Super profit method	PPT/Lecture		CO 1

7	Methods of valuing goodwill-Super profit method	Lecture		CO 1
8	Methods of valuing goodwill-, Annuity method	Lecture		CO 1
9	Methods of valuing goodwill- capitalization method.	Lecture		CO 1
10	Methods of valuing goodwill- capitalization method.	Lecture		CO 1
11	Methods of valuing goodwill- capitalization method.	Lecture		CO 1
12	Methods of valuing goodwill-all methods	Lecture		CO 1
MODULE I-Chapter 2				
13	Valuation of share-Need for valuation	PPT/Lecture		CO 1
14	Valuation of share-Need for valuation	PPT/Lecture		CO 1
15	Methods of valuation-Net asset method or intrinsic value method-yield method-earning capacity method-fair value.	PPT/Lecture		CO 1
16	Methods of valuation-Net asset method or intrinsic value method-			
17	Methods of valuation- Net asset method or intrinsic value method-	PPT/Lecture		CO 1
18	Methods of valuation- yield method	Lecture		CO 1
19	Methods of valuation- yield method	Lecture		CO 1
20	Methods of valuation- yield method	Lecture		CO 1
21	Methods of valuation- yield method	Lecture		CO 1
22	Methods of valuation- yield method	Lecture		CO 1
23	Methods of valuation-fair value method	Lecture		CO 1
24	Methods of valuation-fair value method	Lecture		CO 1
25	Methods of valuation- Exchange rate method	PPT/Lecture		CO 1
MODULE II				
26	Amalgamation, Absorption and External Reconstruction-Amalgamation in the nature of merger and Amalgamation in the nature of purchase	PPT/Lecture		CO 2
27	Purchase consideration-Net payment method-	PPT/Lecture		CO 2
28	Purchase consideration- -Net Asset method-share exchange method	PPT/Lecture		CO 2
29	Entries in the books of purchasing company	Lecture		CO 2
30	Consolidated Balance Sheet in the case of amalgamation	Lecture		CO 2
31	CIA-1			
32	Consolidated Balance Sheet in the case of amalgamation	Lecture		CO 2
33	Consolidated Balance Sheet in the case of amalgamation	Lecture		CO 2

34	Consolidated Balance Sheet in the case of amalgamation	PPT/Lecture		CO 2
35	Practical problems involving mutual Owings	PPT/Lecture		CO2
36	Practical problems involving mutual Owings	PPT/Lecture		CO 2
37	Purchasing company holding shares in vendor company			CO 2
38	Purchasing company holding shares in vendor company			CO 2
39	Selling company holding shares in purchasing company	PPT/Lecture		CO 2
40	Selling company holding shares in purchasing company	PPT/Lecture		CO 2
41	Cross holdings	PPT/Lecture		CO 2
42	Cross holdings	PPT/Lecture		CO2
43	Cross holdings	Lecture	Quiz	CO 2
44	Cross holdings	Lecture	Q &Ans Session	CO 2
45	Cross holdings	PPT/Lecture		CO 2
MODULE III				
46	Alteration of share capital and Internal reconstruction-Procedure for reducing share capital- Re-organisation	PPT/Lecture		CO 3
47	Alteration of share capital and Internal reconstruction-Procedure for reducing share capital- Re-organisation	PPT/Lecture		CO 3
48	Scheme of reconstruction-Accounting entries on Internal reconstruction	PPT/Lecture		CO 3
49	Journal entries and preparation of Balance sheet after reconstruction	Lecture		CO 3
50	Journal entries and preparation of Balance sheet after reconstruction	PPT/Lecture		CO 3
51	Journal entries and preparation of Balance sheet after reconstruction	PPT/Lecture		CO 3
52	Journal entries and preparation of Balance sheet after reconstruction	PPT/Lecture		CO 3
53	Journal entries and preparation of Balance sheet after reconstruction	PPT/Lecture		CO 3
54	Journal entries and preparation of Balance sheet after reconstruction	PPT/Lecture		CO 3
55	Journal entries and preparation of Balance sheet after reconstruction	PPT/Lecture		CO 3
56	Journal entries and preparation of Balance sheet after reconstruction	PPT/Lecture		CO 3
57	Journal entries and preparation of Balance sheet after reconstruction	PPT/Lecture		CO 3
58	Journal entries and preparation of Balance sheet	PPT/Lecture		CO 3

	after reconstruction			
59	Journal entries and preparation of Balance sheet after reconstruction	PPT/Lecture		CO 3
MODULE IV				
60	Insolvency accounts of an Individual-Statement of affairs and deficiency accounts.	PPT/Lecture		CO 3
61	Preparation of statement of affairs	PPT/Lecture		CO 3
62	Preparation of statement of affairs	PPT/Lecture		CO 3
63	Preparation of statement of affairs and deficiency account	PPT/Lecture		CO 3
64	Preparation of statement of affairs and deficiency account	PPT/Lecture		CO 3
65	Preparation of statement of affairs and deficiency account	PPT/Lecture		CO 3
66	Preparation of statement of affairs and deficiency account	Lecture		CO 3
67	Preparation of statement of affairs and deficiency account	Lecture		CO 3
68	Preparation of statement of affairs and deficiency account	Lecture		CO 3
69	Preparation of statement of affairs and deficiency account	PPT/Lecture		CO 3
70	Preparation of statement of affairs and deficiency account	PPT/Lecture		CO 3
71	Preparation of statement of affairs and deficiency account	PPT/Lecture		CO 3
72	Preparation of statement of affairs and deficiency account	PPT/Lecture		CO 3
MODULE V				
73	Human Resource accounting-Meaning-Objectives-Valuation of Human Resource-Advanced and limitations of HRA	PPT/Lecture		CO 4
74	Human Resource accounting-Meaning-Objectives-Valuation of Human Resource-Advanced and limitations of HRA	PPT/Lecture		CO 4
75	Valuation of Human Resource	PPT/Lecture		CO 4
76	Advantage and limitations of HRA	PPT/Lecture		CO 4
77	International Financial Reporting Standards (IFRS)	PPT/Lecture		CO 5
CIA - II				
79	International Financial Reporting Standards (IFRS)	Lecture		CO 5
80	International Financial Reporting Standards (IFRS)	Lecture		CO 5

81	International Financial Reporting Standards (IFRS)	Lecture		CO 5
82	International Financial Reporting Standards (IFRS)	Lecture		CO 5
83	International Financial Reporting Standards (IFRS)	PPT/Lecture		CO 5
84	International Financial Reporting Standards (IFRS)	PPT/Lecture		CO 5
85	International Financial Reporting Standards (IFRS)	PPT/Lecture		CO 5
86	Revision			
87	Revision			
88	Revision			
89	Revision			
90	Revision			

INDIVIDUAL ASSIGNMENTS/SEMINAR – Details & Guidelines

	Date of completion	Topic of Assignment & Nature of assignment (Individual/Group – Written/Presentation – Graded or Non-graded etc)	Course Outcome
1	4/8/2019	Valuation of goodwill and value of shares problems	CO 1
2	28/9/2019	Prepare post amalgamation financial statements	CO 2

1. REFERENCE BOOKS

1. Advanced Financial Accounting, M.C.Shukla&T.S.Grewal, S.Chand& Co;
2. Advanced accountancy, Arulanandam& Raman, Himalya Publishing House
3. Fundamentals of Financial accounting, Nassem Ahmed, Ane books Pvt,
4. Advanced Financial Accounting, R.L.Gupta&Radhaswami, Sultan Chand CO;
5. Advanced Financial Accounting, S.N.Maheswari&MaheswariS.K :
6. Advanced Financial Accounting, Paul &Kaur
7. Advanced Financial Accounting, B.D. Agarwal
8. Advanced Financial Accounting, S.P.Jain&K.L.Narang; Kalyani Publishers

Course II: 16P1COMT02: MANAGEMENT AND ORGANISATONAL BEHAVIOUR

PROGRAMME	M. COM (FINANCE)AIDED	SEMESTER	1
COURSE CODE AND TITLE	16P1COMT02 MANAGEMENT AND ORGANISATONAL BEHAVIOUR	CREDIT	4
HOURS/WEEK	5	HOURS/SEM	90
FACULTY NAME	DR. JOSEPH GEORGE		

Programme Outcome	
PO 1	Exercise their critical thinking in creating new knowledge leading to innovation, entrepreneurship and employability
PO 2	Effectively communicate the knowledge of their study and research in their respective disciplines to their stakeholders and to the society at large.
PO 3	Make choices based on the values upheld by the institution, and have the readiness and know-how to preserve environment and work towards sustainable growth and development
PO 4	Develop an ethical view of life, and have a broader (global) perspective transcending the provincial outlook
PO5	Explore new knowledge independently for the development of the nation and the world and are able to engage in a lifelong learning process.

<u>PROGRAMME SPECIFIC OUTCOMES (PSOs)</u>
• PSO1 - Display advanced knowledge and skills in the field of accounting, management, finance, taxation and the securities market.
• PSO2 - Demonstrate an aptitude for and interest in a career of their choice in commerce.
• PSO3 - Engage in research and pursue NET/SET and other competitive exams.
• PSO4 - Imbibe problem-solving skills in their respective fields along with achieving the overall development of their personality.
• PSO5 - Create a community invested in sustainable development, inclusive growth and nation building through the development of a global perspective, giving priority to ethics.

COURSE OUTCOMES		PO/PSO	CL(Cognitive Level)
CO-1	Ensure students knowledge enhancement on various management concepts	PO1,PSO1,PSO3	U
CO-2	Equip students with various management functions and OB techniques	PO2,PSO1,PSO3	U &AN
CO-3	Make students appreciate change management and its techniques	PO1,PSO2,PSO3	U
CO-4	Understand the relevance of goal, goal setting and its congruency	PO2,PO5,PSO3	U&Apply
CO-5	Help them explore more about recent trends in Management.	PO4,PO5,PSO3, PSO5	U

CO -PO/PSO Mapping

	PO 1	PO 2	PO 3	PO 4	PO 5	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5
CO 1	2	0	0	0	0	2	0	3	0	0
CO 2	0	1	0	0	0	1	0	3	0	0
CO 3	3	0	0	0	0	0	1	2	0	0
CO 4	0	1	0	0	2	0	0	3	0	0
CO 5	0	0	0	1	3	0	0	3	0	1

Mapping Strength

- 0- No Mapping strength
- 1- Low
- 2- Medium
- 3- High

Sessio ns	TOPIC	LEARNING RESOURCES	VAL UE ADD ITIONS	COURSE OUTCOME (CO)
1.	Introductory Session on OB	LECTURE		
	MODULE - I: MANAGEMENT			
2.	Definition , Nature, Scope and Objectives of Management	LECTURE		CO1
3.	Management an Art or Science Administration V/S Management Importance Of Management	LECTURE	Discussion	CO1
4.	Process Of Management	LECTURE		CO1

	Classification Of Management Functions			
5.	HENRI FAYOL'S (1841 – 1925) Principles Of Management	LECTURE		CO1
6.	Business. And Society Social Responsiveness Social Value And Business Ethics	LECTURE		CO3
7.	CSR Definition, Objectives , Advantages And Principles Dimensions of CSR	LECTURE		CO3
8.	Social Responsibility Of Business In India Role of Manager in Social Involvement	LECTURE	Discussion	CO3
9.	Management By Exception (MBE)	LECTURE		CO3
10.	Management By Objectives Meaning and Definitions Classification of Objectives	LECTURE		CO3
11.	Guidelines for Setting Objectives Advantages of Laying Down Objectives Difficulties in Setting Objectives	LECTURE		CO3
	Process of MBO Benefits of Management By Objectives Weakness of Management By Objectives Prerequisites for Installing MBO Programme Difference between MBO And MBE	LECTURE		CO3
12.	Definitions, Nature and Process of Planning Reasons for Planning Characteristics of A Good Plan	LECTURE		CO1
13.	Planning Premises Principles of Planning Focus of Planning	LECTURE		CO1
14.	Steps in planning	LECTURE		CO1
15.	Span of Management Graicuna's Theory of 'Span of Management'	LECTURE		CO1
16.	Determinants Of Span	LECTURE		CO1
17.	Factors Influencing The Span of Supervision Types Of Span of Supervision	LECTURE		CO1
18.	Span of Control	LECTURE		CO1
	MODULE - II:ORGANISATION			
19.	Organization Definitions Concepts of Organization	PPT/LECTURE		CO2

	Characteristics of Organization Nature Of Business Organization - an Art or a Science			
20.	Objectives of Organization Steps in Organization Organization Theory Classical Organization Theory	PPT/LECTURE		CO2
21.	Organizational Goals	PPT/LECTURE		CO4
22.	Primary and Secondary Goals Characteristics of Primary Goals and Secondary Goals	PPT/LECTURE		CO4
23.	Goal Determination	PPT/LECTURE		CO4
24.	Organizational Goals and Individual Goals	PPT/LECTURE		CO4
25.	Importance of Goal Congruency	PPT/LECTURE		CO4
26.	Goal Displacement	PPT/LECTURE		CO4
27.	Goal Succession	PPT/LECTURE		CO4
28.	The Strategy Behind Goal Succession	PPT/LECTURE		CO4
29.	Single Goal Vs Multi Goal Organisations	PPT/LECTURE		CO4
30.	Advantages of multi goal organization	PPT/LECTURE		CO4
31.	Disadvantages of multi goal organization	PPT/LECTURE		CO4
32.	First IAT	One hour exam		
	MODULE - III: ORGANISATIONAL BEHAVIOUR			
33.	Introduction To Organization Behaviour Meaning ,Definition And Characteristics of OB	LECTURE		CO2
34.	Key Elements/Forces of OB Goals of OB	LECTURE		CO2
35.	Philosophical Concepts of OB Levels of Analysis	LECTURE		CO2
36.	Fundamental Concepts of Organization Behaviour Role of Organization Behaviour	LECTURE		CO2
37.	Relationship between Management and OB	LECTURE		CO2
38.	Challenges and Opportunities for Organizational Behaviour	LECTURE		CO2
39.	Organizational Development Meaning, Definition and Characteristics of OD	LECTURE		CO1
40.	Need for Organizational Development Benefits of Organizational Development	LECTURE		CO3
41.	Limitations of Organizational Development Assumptions of OD	LECTURE		CO3
42.	Organizational Change	LECTURE		CO3

	Meaning of Change			
43.	Transaction Analysis - Johari Window	LECTURE		CO5
	Forces for Change	LECTURE		CO5
44.	Types of Change	LECTURE		CO5
45.	Managing Planned Change Human Reactions to Change	LECTURE		CO5
46.	Causes Of Resistance to Change	LECTURE		CO5
47.	Resistance to Organizational Change	LECTURE		CO5
48.	Overcoming Resistance to Change	LECTURE		CO5
	MODULE - IV: GROUPS IN ORGANIZATION			
49.	Group Dynamics Definition of A Group Definition of Dynamics Definition of Group Dynamics	LECTURE		CO3
50.	Types of Groups	LECTURE		CO3
51.	The Dynamics of Group Formation	LECTURE		CO3
52.	Practical Reasons for Group Formation	LECTURE		CO3
53.	Problems or Difficulties of Informal Groups	LECTURE		CO3
54.	Group Norms Types of Norm	LECTURE		CO3
55.	How do Norms Develop? Why are 'Norms' Enforced?	LECTURE		CO3
56.	Conformity Group Roles	LECTURE		CO3
57.	Group Cohesiveness and Group Development	LECTURE		CO3
58.	Factors Influencing Group Cohesiveness	LECTURE		CO3
59.	Consequences of Cohesiveness	LECTURE		CO3
60.	Managerial Actions for Increasing Encouraging Cohesiveness Group Development	LECTURE		CO3
61.	Management of Conflict Definition of Conflict Features of Conflict	LECTURE		CO3
	Transitions in Conflict Thought	LECTURE		CO3
62.	Functional and Dysfunctional Conflict Functional Conflicts	LECTURE		CO3
63.	Dysfunctional Conflicts	LECTURE		CO3
64.	Types of Conflict Situations	LECTURE		CO3
65.	Causes of Conflict	LECTURE		CO3
66.	Stages in Conflict	LECTURE		CO3
67.	Conflict Management Preventive Measure	LECTURE		CO3

68.	Resolving Behavioural Conflict	LECTURE		CO3
69.	Stimulating Conflict	LECTURE		CO3
	MODULE – V MODERN TECHNIQUES IN MANAGEMENT			
70.	Total Quality Management (TQM) Elements of TQM	LECTURE	E-Resources	CO1 CO5
71.	Characteristics of TQM Fundamentals of TQM	LECTURE	E-Resources	CO5
72.	Key Activity of A TQM System Major Process Components of TQM	LECTURE	E-Resources	CO5
73.	Quality System Standards	LECTURE	E-Resources	CO5
74.	Quality Circles (QC) Characteristics of QC	LECTURE	E-Resources	CO5
75.	Organization of QC's Benefits of QCs Misconceptions about QCs	LECTURE		CO5
76.	Benchmarking Varieties of Benchmarking	LECTURE		CO5
77.	Advantages and Limitations of Benchmarking	LECTURE		CO1
78.	Business Process Reengineering (BPR) SIX R's of Reengineering	LECTURE		CO5
79.	Reengineering Process	LECTURE		CO5
80.	SIX SIGMA Features, methodology Key role for implementing six sigma	LECTURE	EXAMPLES	CO5
81.	KAIZEN	LECTURE		CO5
82.	SECOND - IAT	Two hour exam		
83.	REVISION MODULE - I			
84.	REVISION MODULE - II			
85.	REVISION MODULE -III			
86.	REVISION MODULE - IV			
87.	REVISION MODULE - V			
88.	Previous Years QP Discussions			
89.	Previous Years QP Discussions			
90.	Evaluation of the Course			

ASSESSMENTS

	MODULE	Topic of Assignment & Nature of assignment (Individual/Group – Written/Presentation – Graded or Non-graded etc)	Marks
1	Module -1	Good Management practices in Developed Nations	5 Marks
2	Module -5	Brief notes on Kaizen and Six Sigma	5 Marks

BASIC REFERENCES

1. Human Relations and Organisational Behaviour – R. S. Dwivedi
2. Management Process and OB – Sharma and Gupta
3. Principles of Management – T Ramaswami
4. Organisational Behaviour – Aswathappa
5. Principles of Management – B. S. Moshal
6. Principles of Management – L. M. Prasad
7. Principles of Management – P.F. Drucker
8. Management and Organisational Behaviour Essentials – Schermerhorn
9. Organisational Behaviour – Sujanaair

Course III: 16P1COMT03: FINANCIAL MANAGEMENT PRINCIPLES

PROGRAMME	MASTER OF COMMERCE	SEMESTER	1
COURSE CODE AND TITLE	16P1COMT03- FINANCIAL MANAGEMENT PRINCIPLES	CREDIT	4
HOURS/WEEK	5	HOURS/SEM	90
FACULTY NAME	TESSA MARY JOSE		

PROGRAMME OUTCOMES (POs)	
PO-1	Exercise their critical thinking in creating new knowledge leading to innovation, entrepreneurship and employability
PO-2	Effectively communicate the knowledge of their study and research in their respective disciplines to their stakeholders and to the society at large.
PO-3	Make choices based on the values upheld by the institution, and have the readiness and know-how to preserve environment and work towards sustainable growth and development
PO-4	Develop an ethical view of life, and have a broader (global) perspective transcending the provincial outlook
PO-5	Explore new knowledge independently for the development of the nation and the world and are able to engage in a lifelong learning process.

PROGRAMME SPECIFIC OUTCOMES (PSOs)	
PSO-1	Fostering students with the requisite advanced knowledge and skills in the field of accounting, management, finance, taxation and securities market.
PSO-2	Enabling acquisition of aptitude in students in their respective area of interest and equipping them to explore a career of their choice in commerce.
PSO-3	Instilling interest in research and academic fields, help students to pursue NET/SET and such other exams.
PSO-4	Developing overall personality of students and inculcating in them problem-solving skills in their respective fields.
PSO-5	Creating a community that contributes towards sustainable development, inclusive growth, involve in nation building through a global perspective and gives priority for ethics.

COURSE OUTCOMES (COs)		POs & PSOs	Cognitive Level
CO-1	Familiarise the various concepts and approaches in financial management	PSO-1,PSO-3, PO-1, PO-2	R
CO-2	Understand various issues involved in financial management of a firm	PSO-1,PSO-2, PO-1, PO-2	U, A
CO-3	Equip them with advanced analytical tools and techniques that are used for making sound financial decisions	PSO-4, PO-3, PO-4, PO-5	An, E
CO-4	Enable students to compare and contrast the implications of financial decisions	PSO-4, PO-1, PO-2	E
CO-5	Familiarise the types of financial decisions namely financing, dividend and investment decisions	PSO-4, PO-2, PO-3	U
CO-6	Enables comparison of the risk- return analysis and liquidity-profitability analysis of different alternatives in financial management	PSO-4,PSO-5, PO-4, PO-5	E

CL* Cognitive Level

R- Remember

U- Understand

A- Apply

An- Analyze

E- Evaluate

Cr- Create

CO - PO/PSO Mapping

	PO 1	PO 2	PO 3	PO 4	PO 5	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5
CO 1	2	2	0	0	0	3	0	3	0	0
CO 2	3	2	0	0	0	2	1	0	0	0
CO 3	0	0	1	2	3	0	0	0	3	0
CO 4	3	1	0	0	0	0	0	0	3	0
CO 5	0	2	2	0	0	0	0	0	2	0
CO 6	0	0	0	3	2	0	0	0	1	2

Mapping Strength

0. No Mapping strength
1. Low
2. Medium
3. High

SESSION	TOPIC	LEARNING RESOURCES	VALUE ADDITION	COURSE OUTCOME
MODULE-1				
FINANCIAL MANAGEMENT				
1	Financial management-introduction	Lectures		CO-1
2	Financial management-concepts	Lectures		CO-1
3	Scope or content of finance function	Lectures		CO-1
4	Nature of finance function	Lectures		CO-1
5	Relation of finance function with other functions	Lectures		CO-1
6	Goals and objectives of financial management	Lectures		CO-1
7	Functions of a finance manager	Lectures		CO-1
8	Financial decision making	Lectures		CO-5
9	Financial planning	Lectures	Q&A	CO-1
10	Time value of money	Lectures		CO-3
11	Concept and relevance of time value of money	Lectures		CO-3
12	Need for time value of money	Lectures		CO-3
13	Compounding technique	Solving problems		CO-3
14	Effective interest rate and multiple compounding	Solving problems		CO-3
15	Compounded value of a series of payments	Solving problems		CO-3
16	Compounded value of annuity	Solving problems		CO-3
17	Discounting technique	Solving problems		CO-3
18	Discounted value of annuity	Solving problems	Q&A	CO-3
19	Additional problems on time value of money	Solving problems		CO3, CO-6
20	Additional problems on time value of money	Solving problems		CO3, CO-6
21	Additional problems on time value of money	Solving problems		CO3, CO-6
22	Additional problems on time value of money	Solving problems		CO3, CO-6
MODULE-2				
COST OF CAPITAL				
23	Cost of capital -meaning	Lectures		CO-1
24	Concept and importance of cost of capital	Lectures		CO-1
25	Types of costs	Lectures		CO-1
26	Cost of debt, redeemable and irredeemable	Lectures & Solving problems		CO-2
27	Cost of preference capital redeemable and irredeemable	Lectures & Solving problems		CO-2
28	Cost of equity capital	Lectures & Solving problems		CO-2
29	Cost of retained earnings	Lectures & Solving problems		CO-2
30	Specific and composite cost of capital	Lectures & Solving problems		CO-2
31	Weighted average cost of capital using book value weights	Lectures & Solving problems	Q&A	CO-4
32	Weighted average cost of capital using	Lectures & Solving		CO-4

	market value weights	problems		
33	WACC using both book value and market value weights	Lectures & Solving problems		CO-4
34	Computation of marginal cost of capital	Lectures & Solving problems		CO-4
35	Computation of overall cost & marginal cost of capital	Lectures & Solving problems		CO-4
36	Additional problems on cost of capital	Solving problems		CO-4, CO-6
37	Additional problems on cost of capital	Solving problems		CO-4, CO-6
38	Additional problems on cost of capital	Solving problems		CO-4, CO-6
39	Additional problems on cost of capital	Solving problems		CO-4, CO-6
40	Additional problems on cost of capital	Solving problems		CO-4, CO-6
	CIA-1			
MODULE-3				
FINANCING DECISION AND CAPITAL STRUCTURE				
41	Financing decision-capital structure	Lectures		CO-5
42	Capital structure-meaning	Lectures		CO-1
43	Capital structure and capitalisation difference	Lectures		CO-1
44	Financial structure and capital structure - difference	Lectures		CO-5
45	Pattern of capital structure	Lectures		CO-6
46	Concept of balanced capital structure	Lectures		CO-6
47	Determinants of capital structure	Lectures		CO-1
48	Optimum capital structure	Lectures		CO-6
49	Theories of capital structure	Lectures & Solving problems	Q&A	CO-3
50	Net Income approach	Lectures & Solving problems		CO-3
51	Net Operating Income approach	Lectures & Solving problems		CO-3
52	Traditional approach	Lectures & Solving problems		CO-3
53	Modigliani Miller approach	Lectures & Solving problems		CO-3
54	Modigliani Miller approach	Lectures & Solving problems		CO-4, CO-6
55	Modigliani Miller approach	Lectures & Solving problems		CO-4, CO-6
56	Modigliani Miller approach	Lectures & Solving problems		CO-4, CO-6
57	Modigliani Miller approach	Lectures & Solving problems		CO-4, CO-6
MODULE-4				
LONG TERM INVESTMENT DECISIONS				
58	Long term investment decisions	Lectures		CO-5
59	Capital budgeting	Lectures		CO-5
60	Nature and features of capital budgeting	Lectures		CO-1
61	Significance of capital budgeting	Lectures		CO-1

62	Traditional and modern techniques of capital budgeting	Lectures	Q&A	CO-3
63	Payback period method and its variations	Lectures & Solving problems		CO-3
64	Average rate of return	Lectures & Solving problems		CO-3
65	Discounted cash flow methods	Lectures & Solving problems		CO-3
66	Discounted payback period method	Lectures & Solving problems		CO-3
67	Net present Value method	Lectures & Solving problems		CO-3
68	Internal rate of return	Lectures & Solving problems		CO-3
69	Profitability Index	Lectures & Solving problems		CO-3
70	General techniques -	Lectures & Solving problems		CO-3
71	Certainty equivalents and Risk adjusted discount rates	Lectures & Solving problems		CO-6
72	Quantitative techniques-	Lectures & Solving problems		CO-6
73	Probability technique, sensitivity analysis, standard deviation, coefficient of variation	Lectures & Solving problems		CO-6
74	Decision tree analysis	Lectures & Solving problems		CO-4
75	Additional problems on Capital Budgeting	Lectures & Solving problems		CO4, CO-6
76	Additional problems on Capital Budgeting	Lectures & Solving problems		CO4, CO-6
77	Additional problems on Capital Budgeting	Lectures & Solving problems		CO4, CO-6
	CIA-2			
MODULE-5 LEVERAGE ANALYSIS				
78	Leverage-meaning	Lectures		CO-1
79	Leverage analysis-concept and importance	Lectures		CO-1
80	Measurement of leverage	Lectures		CO-1
81	Financial leverage	Lectures & Solving problems		CO-3
82	Operating leverage	Lectures & Solving problems		CO-3
83	Combined leverage	Lectures & Solving problems		CO-3
84	Financial, operating and combined leverages	Lectures & Solving problems	Q&A	CO-6
85	EBIT-EPS analysis	Lectures & Solving problems		CO-6
86	Financial risk and operating risk	Lectures & Solving		CO-6

		problems		
87	Financial break-even point	Lectures & Solving problems		CO-6
88	Point of indifference	Lectures & Solving problems		CO-6
89	Additional problems in leverage	Solving problems		CO-6
90	Additional problems in leverage	Solving problems		CO-6

INDIVIDUAL ASSIGNMENTS/SEMINAR – Details & Guidelines

	Session of completion	Topic of Assignment & Nature of assignment (Individual/Group – Written/Presentation – Graded or Non-graded etc)	Course Outcome
1	35	Assignment- Problems on cost of capital	CO-3, CO-2
2	52	Assignment- Problems of capital structure	CO-6, CO-3
3	74	Assignment- Problems on capital budgeting techniques	CO-5, CO-4
4	88	Assignment- Problems of leverage	CO-3, CO-6

GROUP ASSIGNMENTS/ACTIVITES – Details & Guidelines

	Session of completion	Topic of Assignment & Nature of assignment (Individual/Group – Written/Presentation – Graded or Non-graded etc)	Course Outcome
1	6,7,8	Seminar- Introduction to financial management	CO-1

REFERENCE:

1. Contemporary Financial Management, Rajesh Kothari, Macmillain India Limited
2. Financial Management, P.V.Kulkarni, Himalaya Publishing House
3. Financial Management, Srivastava, Himalaya Publishing House
4. Fundamentals of Financial Management, Preeti Singh, Ane Books Private Limited
5. Financial Management, Dhagat, Kogent
6. Financial Management, Shah
7. Financial Management, Knott, Palgrave Macmillian
8. Financial Management, S.N.Maheshwari, Sultan Chand Co
9. Financial Management, Van Horn, James .C., Prentice Hall India, Limited
10. Financial Management, Khan M.Y., Jain P.K, Tata Mcgraw Hill publishing Co
11. Financial Management, Pandey I.M., Vikas Publishing House
12. Financial Management. P.V. Rathanam, Kitab Mahal
13. Financial Management, Ravi. M. Kishore, Taxmann's

Course IV: 16P1COMT04: RESEARCH METHODOLOGY

PROGRAMME	MASTER OF COMMERCE	SEMESTER	1
COURSE CODE AND TITLE	16P1COMT04 RESEARCH METHODOLOGY	CREDIT	4
HOURS/WEEK	5	HOURS/SEM	90
FACULTY NAME	FR TOMY P P		

Programme Outcome	
PO 1	Exercise their critical thinking in creating new knowledge leading to innovation, entrepreneurship and employability
PO 2	Effectively communicate the knowledge of their study and research in their respective disciplines to their stakeholders and to the society at large.
PO 3	Make choices based on the values upheld by the institution, and have the readiness and know-how to preserve the environment and work towards sustainable growth and development
PO 4	Develop an ethical view of life and have a broader (global) perspective transcending the provincial outlook.
PO5	Explore new knowledge independently for the development of the nation and the world and are able to engage in a lifelong learning process.
PROGRAM SPECIFIC OUTCOMES	
PSO 1	Fostering students with the requisite advanced knowledge and skills in the field of accounting, management, finance, taxation and securities market.
PSO 2	Enabling acquisition of aptitude in students in their respective area of interest and equipping them to explore a career of their choice in commerce.
PSO 3	Instilling interest in research and academic fields, help students to pursue NET/SET and such other exams.
PSO 4	Developing overall personality of students and inculcating in them problem solving skills in their respective fields.
PSO 5	Creating a community that contributes towards sustainable development, inclusive growth, involve in nation building through a global perspective and gives priority for ethics.

COURSE OUTCOMES

	COURSE OUTCOMES	PO/ PSO	CL
CO 1	Enumerate basic research methodology concepts and steps in research	PO1,PO2, PO5, PSO2, PSO3	U
CO 2	Understand research problem, research design, related terminologies apart from familiarizing research hypothesis and research proposal	PO1, PSO2, PSO3	U
CO 3	Comprehend various methods of sampling and sampling techniques	PO1, PO2, PSO1	A
CO 4	Enhancement of knowledge in data collection, analysis and interpretations	PO1, PO2, PSO1, PSO2,PSO4	U
CO 5	Acquire knowledge for the successful application of computers in research and related areas	PO1, PO2, PO3, PO4, PO5, PSO2, PSO3, PSO5	A
CO 6	Formulate and generate research reports in a logical and scientific manner	PO1,PO2, PO4,PO5 PSO2,4	A

CL* Cognitive Level

R-Remember

U- Understand

B- Apply

An- Analyze

E- Evaluate

Cr- Create

CO -PO/PSO Mapping

	PO 1	PO 2	PO 3	PO 4	PO 5	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5
CO 1	2	2			2		3	3		
CO 2	1						1	3		
CO 3	3	1				3				
CO 4	1	1				2	2		3	
CO 5	2	2	2	1	3		1	3		3
CO 6	1	2		1	1		1		2	1

Mapping Strength

0. No Mapping strength
1. Low
2. Medium
3. High

SESSION	TOPIC	LEARNING RESOURCES	VALUE ADDITIONS	COURSE OUTCOME
MODULE I				
1	Introduction	Lecture	Video	CO 1
2	Research-meaning-significance	PPT/Lecture		CO 1
3	Research- objectives	PPT/Lecture		CO 1
4	Discussion on research	Discussion	e-resource	CO 1
5	Discussion on research	Discussion		CO 1
6	Types of research	PPT/Lecture		CO 1
7	Types of research	PPT/Lecture		CO 1
8	methods Vs methodology	PPT/Lecture		CO 1
9	steps in research	PPT/Lecture		CO 1
10	steps in research	PPT/Lecture		CO 1
11	Revision			
MODULE II				
12	Research problem-definition-nature	PPT/Lecture		CO 2
13	Research problem- formulation	PPT/Lecture		CO 2
14	techniques of defining the problem	PPT/Lecture		CO 2
15	research design-meaning, needs	PPT/Lecture		CO 2
16	Types of research design	PPT/Lecture		CO 2
17	Types of research design	PPT/Lecture		CO 2
18	Variables	PPT/Lecture		CO 2
19	Types of variables	PPT/Lecture		CO 2
20	Types of variables	PPT/Lecture		CO 2
21	Research proposal and its preparation	PPT/Lecture		CO 2
22	Research proposal and its preparation	PPT/Lecture		CO 2
23	Research hypothesis	PPT/Lecture		CO 2
24	Research hypothesis	PPT/Lecture		CO 2
25	types of hypotheses	PPT/Lecture		CO 2
26	Revision			
27	FIRST CIA TEST			
MODULE III				
28	Sampling design	PPT/Lecture		CO 3
29	Sampling design	PPT/Lecture		CO 3
30	Census survey	PPT/Lecture		CO 3
31	Census survey	PPT/Lecture		CO 3
32	Sample Survey	PPT/Lecture		CO 3
33	Sample Survey	PPT/Lecture		CO 3
34	Sample frame	PPT/Lecture		CO 3
35	Sample size	PPT/Lecture		CO 3
36	Sampling methods	PPT/Lecture		CO 3
37	Sampling methods	PPT/Lecture		CO 3

38	Sampling methods	PPT/Lecture		CO 3
39	Revision			
MODULE IV				
40	Collection and analysis of Data	PPT/Lecture		CO 4
41	Types of Data	PPT/Lecture		CO 4
42	methods of data collection	PPT/Lecture		CO 4
43	methods of data collection	PPT/Lecture		CO 4
44	methods of data collection	PPT/Lecture		CO 4
45	Observation	PPT/Lecture		CO 4
46	questionnaire	PPT/Lecture		CO 4
47	questionnaire	PPT/Lecture	Demo video	CO 4
48	interview	PPT/Lecture		CO 4
49	interview schedule	PPT/Lecture	Group discussion	CO 4
50	measurement and scaling techniques	PPT/Lecture		CO 4
51	measurement and scaling techniques	PPT/Lecture		CO 4
52	Data	PPT/Lecture		CO 4
53	Data	PPT/Lecture		CO 4
54	Reliability analysis	PPT/Lecture		CO 4
55	Reliability analysis	PPT/Lecture		CO 4
56	Analysis of data	PPT/Lecture		CO 4
57	Analysis of data, Cross Tabulation	PPT/Lecture		CO 4
59	Seminar Presentation by the students	PPT/Lecture		CO 4
60	Seminar Presentation by the students	PPT/Lecture		CO 4
61	Seminar Presentation by the students	PPT/Lecture		CO 4
62	Seminar Presentation by the students	PPT/Lecture		CO 4
63	Seminar Presentation by the students	PPT/Lecture		CO 4
64	Revision			
	SECOND IAT			
MODULE V				
65	Computer application for research	PPT/Lecture		CO5
66	SPSS for data analysis	PPT/Lecture	Video	CO5
67	Data entry in SPSS	PPT/Lecture		CO5
68	Data entry in SPSS	PPT/Lecture		CO5
69	Descriptive statistics	PPT/Lecture		CO 4
70	Descriptive statistics	PPT/Lecture		CO 4
71	Descriptive statistics	PPT/Lecture		CO 4
72	Correlation	PPT/Lecture		CO 4

73	Correlation	PPT/Lecture		CO 4
74	Correlation	PPT/Lecture		CO 4
75	Correlation	PPT/Lecture		CO 4
76	Correlation	PPT/Lecture		CO 4
77	Regression	PPT/Lecture		CO 4
78	Regression	PPT/Lecture		CO 4
79	Regression	PPT/Lecture		CO 4
80	Regression	PPT/Lecture		CO 4
81	Regression	PPT/Lecture		CO 4
82	Research reporting - Relevance	PPT/Lecture		CO 6
83	Characteristics of a good Research report	PPT/Lecture		CO 6
84	Content of a report	PPT/Lecture		CO 6
85	Citing references	PPT/Lecture		CO 6
86	Citing references and plagiarism	PPT/Lecture		CO 6
87	Revision			
88	Revision			
89	Revision			
90	Evaluation			

INDIVIDUAL ASSIGNMENTS/SEMINAR – Details & Guidelines

Date of completion	Topic of Assignment & Nature of assignment (Individual/Group – Written/Presentation – Graded or Non-graded etc)	Course Outcome
30.09.2018	Preparation of Research proposal	CO 2
15.10.2018	Preparation of research report	CO 5

GROUP ASSIGNMENTS/ACTIVITIES – Details & Guidelines

	Date of completion	Topic of Assignment & Nature of assignment (Individual/Group – Written/Presentation – Graded or Non-graded etc)	Course Outcome
1	30.10.2018	Data analysis using SPSS	CO 5

References

1. Statistical methods for research, Prof.K. Kalyanaraman, Prentice Hall Pvt.Ltd.
2. Business research, Collis, Palgrave Macmillian.
3. Research Methods for Business: A Skill Building Approach, Sekaran.
4. Management Research Methods, Velde.
5. Business Research Methodology, Dwivedi.
6. Research methodology, Ramamoorthi.

7. Research methodology, CR. Kothari, Vishwaprakasan.
8. Research methodology, R. Paneerselvam, Prentice Hall of India.
9. Research Methodology, OR. Krishna Swami, Himalaya Publishing house
10. Methodology and techniques of social research, Himalya Publishing House.
11. Goodewj and Hatt, Social research methods, Magraw Hill, Newyork.
12. Bajpai, SR, Methods of Social Survey and Research, KitabGhar, Kanpur.

Web resource references:

- <https://en.wikipedia.org/wiki/researchinsocialscience>

Course V: 16P1COMT05: Quantitative Techniques

PROGRAMME	MASTER OF COMMERCE (M.Com)	SEMESTER	1
COURSE CODE AND TITLE	16P1COMT05: Quantitative Techniques	CREDIT	4
HOURS/WEEK	5	HOURS/SEM	90
FACULTY NAME	JAMES V GEORGE		

	ProgrammeOutcome
PO 1	Critical Thinking: Take informed actions after identifying the assumptions that frame our thinking and actions, checking out the degree to which these assumptions are accurate and valid, and looking at our ideas and decisions (intellectual, organizational, and personal) from different perspectives.
PO 2	Effective Communication: Speak, read, write and listen clearly in person and through electronic media in English and in one Indian language, and make meaning of the word by connecting people, ideas, books, media and technology.
PO 3	Effective Citizenship: Demonstrate empathetic social concern and equity centered national development, and the ability to act an informed awareness of issues and participate in civic life through volunteering.
PO 4	Environment and Sustainability: Understand the issues of environmental contexts and sustainable development.
PO5	Ethics: Recognize different value systems including your own, understand the moral dimensions of your decisions, and accept responsibility for them.
PO 6	Global Perspective: Understand the economic, social and ecological connections that link the world's nations and people.

PROGRAM SPECIFIC OUTCOMES	
PSO 1	Fostering students with the requisite advanced knowledge and skills in the field of accounting, management, finance, taxation and securities market.
PSO 2	Enabling acquisition of aptitude in students in their respective area of interest and equipping them to explore a career of their choice in commerce.
PSO 3	Instilling interest in research and academic fields, help students to pursue NET/SET and such other exams.
PSO 4	Developing overall personality of students and inculcating in them problem-solving skills in their respective fields.
PSO 5	Creating a community that contributes towards sustainable development, inclusive growth, involve in nation building through a global perspective and gives priority for ethics.

COURSE OUTCOMES

	COURSE OUTCOMES	PO/ PSO	CL
CO 1	Understand various quantitative & statistical methods	PO1,PO2, PO3, PO6, PSO2, PSO3, PSO5	U
CO 2	Understand data and draw inference from data	PO1, PSO2, PSO3	U
CO 3	Applies statistical values by using statistical tools	PO1, PO2, PSO1	A
CO 4	Apply various statistical tools to solve business problem	PO1, PO2, PSO1, PSO2,PSO4	A
CO 5	Understand and master the handling of data and employ proper analyses	PO1, PO2, PO3, PO4, PO5, PSO2, PSO3	U
CO 6	Demonstrate their competence and confidence in using descriptive statistics	PO2, PO6, PO3, PO4, PO5, PSO2, PSO3,PSO5	A
CO 7	Compose a simple sample survey, analyse the results and present the findings to the class.	PO1, PO2, PO3, PO4, PO5,PO6, PSO2, PSO3,PSO5	Cr
CO 8	Summarizes from data the important trends in order to	PO1, PO2, PO3,	E

	forecast as accurately as possible	PO4, PO5, PSO2, PSO3,PSO5	
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CL* Cognitive Level

R-Remember

U- Understand

C- Apply

An- Analyze

E- Evaluate

Cr- Create

CO -PO/PSO Mapping

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5
CO 1	2	2	1	0	0	1	0	3	3	0	1
CO 2	1	0	0	0	0	0	0	2	3	0	0
CO 3	3	1	0	0	0	0	3	0	0	0	0
CO 4	1	1	0	0	0	0	2	2	0	3	0
CO 5	2	2	2	1	3	0	0	2	3	0	0
CO 6	0	2	1	1	2	1	0	2	1	0	2
CO 7	2	2	2	2	3	2	0	3	2	0	2
CO 8	1	1	1	1	3	0	0	2	1	0	1

Mapping Strength

0. No Mapping strength
1. Low
2. Medium
3. High

SESSION	TOPIC	LEARNING RESOURCES	VALUE ADDITIONS	COURSE OUTCOME
MODULE I				
1	Meaning of quantitative techniques	Discussion	video	CO 1
2	Meaning of quantitative techniques	Lecture	Movie Clips	CO 1
3	Classification of QT	Discussion		CO 1
4	Classification of QT	Discussion	e-resource	CO 1
5	Application of QT in business, industry and management	Discussion	Movie Clips	CO 1,CO2,CO3
6	Application of QT in business, industry and	Discussion	Movie Clips	CO 1

	management			
7	Application of QT in business, industry and management	Discussion	Movie Clips	CO 1, CO2,CO3
8	Application of QT in business, industry and management	Lecture	Interview	CO 1
9	Application of QT in business, industry and management	Discussion	Interview	CO 1
10	Merits and limitations of QT	Discussion	Interview	CO 1, CO2,CO3
11	Merits and limitations of QT	Discussion	Interview	CO 1
MODULE II				
12	Probability- basic concepts	Discussion		CO 2
13	Probability- basic concepts	Lecture		CO 2, CO 4,CO 5
14	Probability- basic concepts	Discussion		CO 2
15	Theorems	Discussion		CO 2, CO 4,CO 5
16	Theorems	Discussion		CO 2
17	Conditional Probability	Discussion		CO 2
18	Conditional Probability	Problem Solving, Case Study		CO 2, CO2,CO3
19	Baye's theorem	Problem Solving, Case StudyPPT/Lecture		CO 2
20	Baye's theorem	Problem Solving, Case Study PPT/Lecture		CO 2, CO2,CO3
21	Probability distributions	Problem Solving,		CO 2
22	Binomial	Problem Solving,		CO 2, CO2,CO3
23	Poisson	Problem Solving, PPT/Lecture		CO 1,CO 2,CO 3,CO 4,CO 5
24	Normal distribution	Problem Solving, Case Study PPT/Lecture		CO 1,CO 2,CO 3,CO 4,CO 5
25	Problem Based discussions 10 Hours (Special Class)	Problem Solving, Case Study		CO 1,CO 2,CO 3,CO 4,CO 5,CO 6,CO 7,CO 8
26	CIA-I			
MODULE III				

27	Sampling theory and statistical inference	Lecture		CO 2
28	sampling and non - sampling errors	Lecture		CO 2
29	Statistic and parameter	PPT/Lecture		CO 2
30	Sampling distributions	PPT/Lecture		CO2
31	Standard error	PPT/Lecture		CO 2, CO2,CO3
32	Point estimate	Lecture		CO 1,CO 2,CO 3,CO 4
33	Interval estimate	Lecture		CO 1,CO 2,CO 3,CO 4
34	Statistical inference	PPT/Lecture		, CO2,CO3
35	Testing of hypotheses	Lecture		, CO2,CO3
36	Type I error-Type II error	Lecture		CO 1,CO 2,CO 3,CO 4
37	Z test	Problem Solving PPT/Lecture		CO 1,CO 2,CO 3,CO 4
38	t- test	Problem Solving		CO 1,CO 2,CO 3,CO 4
39	Z/t test for means	Problem Solving PPT/Lecture		CO 1,CO 2,CO 3,CO 4
40	Difference of means	Problem Solving PPT/Lecture		CO 1,CO 2,CO 3,CO 4
41	Paired t test	Problem Solving PPT/Lecture		CO 1,CO 2,CO 3,CO 4
42	Test for proportion	Problem Solving PPT/Lecture		CO 1,CO 2,CO 3,CO 4
43	Difference of proportion	Problem Solving PPT/Lecture		CO 1,CO 2,CO 3,CO 4
44	Confidence limits for mean and proportion	Problem Solving PPT/Lecture		CO 1,CO 2,CO 3,CO 4
45	Testing the significance of correlation coefficient	Problem Solving PPT/Lecture		CO 1,CO 2,CO 3,CO 4
46	F-test	Problem Solving PPT/Lecture		CO 1,CO 2,CO 3,CO

				4
47	Analysis of variance	Problem Solving PPT/Lecture		CO 1,CO 2,CO 3,CO 4
48	One way and two way classification	Problem Solving PPT/Lecture		CO 1,CO 2,CO 3,CO 4
49-59	Problem Based discussions	Problem Solving		CO 1,CO 2,CO 3,CO 4,CO 5,CO 6,CO 7,CO 8
MODULE IV				
60	Non- parametric test	PPT/Lecture		CO 3
61	chi-square test	PPT/Lecture Problem Solving		CO 3
62	sign test	PPT/Lecture Problem Solving		CO 3
63	run test	PPT/Lecture Problem Solving		CO 3
64	Mann-Whitney U test	PPT/Lecture Problem Solving		CO 4
65	Kruskal-Wallis or H test	PPT/Lecture Problem Solving		CO 4
66-72	Problem Based discussions	Problem Solving		CO 1,CO 2,CO 3,CO 4,CO 5,CO 6,CO 7,CO 8
73 CIA – II				
MODULE V				
74	Association of attributes	Problem Solving, Case Study PPT/Lecture		CO 3,CO 4,CO 5,CO 6
75	Consistency of data-association and disassociation	Problem Solving, Case Study PPT/Lecture		CO 3,CO 4,CO 5,CO 6
76	Methods of studying association	Problem Solving, Case Study PPT/Lecture		CO 3,CO 4,CO 5,CO 6
77	Comparison of observed and expected frequencies method	Problem Solving, Case Study PPT/Lecture		CO 3,CO 4,CO 5,CO 6
78	Proportion method	Problem Solving,		CO 1,CO

		Case Study		2,CO 3,CO 4
79	Yule's coefficient of association	Problem Solving, Case Study PPT/Lecture		CO 1,CO 2,CO 3,CO 4
80	Coefficient of colligation	Problem Solving, Case Study PPT/Lecture		CO 1,CO 2,CO 3,CO 4
81	Co-efficient of contingency	Problem Solving, Case Study PPT/Lecture		CO 1,CO 2,CO 3,CO 4
82-90	Problem Based discussions	Problem Solving, Case Study		CO 1,CO 2,CO 3,CO 4,CO 5,CO 6,CO 7,CO 8

INDIVIDUAL ASSIGNMENTS cum SEMINAR – Details & Guidelines

	Date of completion	Topic	Course Outcome
1	20/09/2018	A study about the study habit of college students- Project	CO 1,CO 2,CO 3,CO 4,CO 5,CO 6,CO 7,CO 8
2	15/10/2018	Presentation	CO 1,CO 2,CO 3,CO 4,CO 5,CO 6,CO 7,CO 8

REFERENCE BOOKS

1. Quantitative Techniques for Statistical Decision Making, DigambarPatri&PriyambadaPatri, Kalyani Publishers, Ludhiyana.
2. Statistics for Management, Richard Levin, Prentice Hall of India Pvt. Ltd., New Delhi.
3. Quantitative Methods, O.R, Reddy &Appanayya, Himalaya Publishing House, New Delhi.

4. Statistical Methods for Research, Prof. KKalyanaraman, Prentice Hall, India Pvt. Ltd., New Delhi.
5. Statistical Methods, S.P, Gupta, Sulthan Chand & Sons, New Delhi.
6. Fundamentals of Statistics, S.C. Guptha, Himalaya Publishing House, Mumbai.
7. Quantitative Methods, D.R.Agarwal, Vrinda Publications.
8. Quantitative Techniques, C.R. Kothari, Vikas Publishing House, New Delhi.
9. Statistics – theory methods and applications, sancheti and Kapoor, Sulthan Chand & Sons, New Delhi.

Web resource references:

1. Researchguides.library.brocku.ca
2. Nvcguides.libguides.com
3. www.wiley.com