Note:

➤ NSS/NCC/Sports proficiency/Community services/Professional society activities/placement activities/clubs/technical magazine/conferences/research papers/Technical activities related to the field of Engineering (1st to 3rd year, 1credits to be earned in 7th semester; will be evaluated by a committee) L: Lectures/Week, T: Tutorials/Week, P: Practical Hours/Week

Assessment will consist of the following components

- 1. Mid-Term
 - a. One best of two minor tests (50% of Mid -term marks)
 - b. Assignments (20% of Mid-term marks)
 - c. Class Surprise Tests/ Quizzes/Presentations/Term paper (20% of Mid-term marks)
 - d. Attendance (10% of Mid-term marks)
- 2. End -Term
- > As per UGC guidelines 40% of total courses can be run through MOOC s/Swayam platform.

BS- Basic Science, HSMC -Humanities, social science including management, ESC- Engineering Science Course, MC-Mandatory Course

First Year

1st SEMESTER

S. No.	Course code	Courses	hr: we	Contact hrs per week		Mid Term	End Term	Total Marks	Credits
			L P	T					
1.	BS 101	Mathematics –I	3	1	-	50	50	100	4
2.	BS105	Chemistry II	3	-	-	50	50	100	3
3.	ESC103	Electrical & Electronics Engineering	3	1	-	50	50	100	4
4.	PCC101	Introduction to Engg and Technology	2	1	-	50	50	100	3
5.	HSMC 101	Communication Skills	2	-	-	50	50	100	2
6.	MBA 101	Management & Organizational Behavior	3	1	-	50	50	100	4
7.	ESC 154	Electrical & Electronics Engineering Lab.	-	-	3	50	-	50	1.5
8.	BS 153	Chemistry II Lab.	-	-	3	50	-	50	1.5
9.	HSMC 151	Communication Skills Lab.	-	-	2	50	-	50	1
10.	MC 102	Ethics and self awareness	2	-	-	50	50	100	NC*
·		Total	18	4 8	3	500	350	850	24

Credits - Chemical (20), MBA (4)

2nd SEMESTER

	2 SEMESTER								
S. No.	Course code	Courses	Co hrs we	s pe		Mid Term	End Term	Total Marks	Credits
			L	T	P				
1.	BS104	Mathematics –II	3	1	-	50	50	100	4
2.	BS102	Physics	3	1	-	50	50	100	4
3.	BS103	Chemistry-I	3	-	-	50	50	100	3
4.	ESC 101	Computer	2	-	-	50	50	100	2
		Programming for problem solving							
5.	ESC 102	Engineering Graphics	2	-	-	50	50	100	2
6.	MBA102	Managerial Economics	3	1	-	50	50	100	4
7.	ESC 151	Engineering Graphics		-	3	50	-	50	1.5
8.	ESC 152	Engineering Workshop	-	-	2	50	-	50	1
9.	BS 151	Physics Lab.	-	-	3	50	-	50	1.5
10.	BS 152	Chemistry I Lab.	-	-	3	50	-	50	1.5
11.	ESC 153	Computer Lab.	-	-	2	50	-	50	1
12.	MC 101	Introduction to Env.	3	-	-	50	50	100	NC*
		science							
		Total	19	3	13	600	350	950	25.5

Credits - Chemical (21.5), MBA (4)

^{*} For a non-credit course passing with 40% marks will be compulsory, otherwise student will get reappear and passing this course will be mandatory.

3rdSEMESTER

S.	Course	Courses	Contact	Mid	End	Total	Credits
No.	code		hrs per	Term	Term	Marks	
			week				
			L T P				
1.	PCC 102	Material and Energy Balance	3 1 -	50	50	100	4
2.	PCC 103	Fluid Flow	3 1 -	50	50	100	4
3.	PCC 104	Mechanical Operations	3 1 -	50	50	100	4
4.	PCC 107	Chemical Technology-I (Inorganic)	3 -	50	50	100	3
5.	ESC 106	Fuel Cell Technology	3 -	50	50	100	3
6.	MBA 201	Business Statistics	3 1-	50	50	100	4
7.	MBA 202	Operations Research	3 1-	50	50	100	4
8.	MBA 203	Workshop on Business Research	2	50	-	50	1
9.	PCC 154	Chemical Technology (Inorganic Lab.)	3	50	-	50	1.5
10.	PCC 151	Mechanical Operation Lab.	3	50	-	50	1.5
11.	PCC 152	Fluid Flow Lab.	3	50	-	50	1.5
		Total	21 5 11	550	350	900	31.5

Credits – Chemical (22.5), MBA (9)

4thSEMESTER

S. No.	Course code	Courses	Contact hrs per			Mid Term	End Term	Total Marks	Credits
			we	-					
			L	T	P				
1.	PCC 105	Heat Transfer	3	1	-	50	50	100	4
2.	PCC 106	Chemical Engineering	3	1	-	50	50	100	4
		Thermodynamics							
3.	ESC 104	Strength of Materials	31	-		50	50	100	4
4.	ESC 105	Engg. Materials	3	1-		50	50	100	4
5.	PCC 110	Chemical Technology-	3	-	-	50	50	100	3
		II (Organic)							
6.	MBA 204	Production & Operations	3	1	-	50	50	100	4
		Management							
7.	PCC 154	Heat Transfer Lab.	-	-	3	50	-	50	1.5
8.	ESC 155	Process Equipment	-	-	3	50	-	50	1.5
		Design							
9.	PCC 156	Chemical Technology	-	-	3	50	-	50	1.5
		(Organic Lab.)							
10.	CHE 101	Comprehensive viva	-	-	-	50	-	50	1
		Total	18	59)	500	300	800	28.5

Credits – Chemical (24.5), MBA (4)

5thSEMESTER

S. No.	Course code	Courses	Contact hrs per	Mid Term	End Term	Total Marks	Credits
			week L T P				
1.	PEC 101	Deptt. Elective I	3 1 -	50	50	100	4
2.	PCC 109	Mass Transfer I	3 1 -	50	50	100	4
3.	PEC 102	Department Elective-II	3	50	50	100	3
4.	MBA 301	Total Quality Management	3 1 -	50	50	100	4
5.	PCC 114	Energy Technology	3 1 -	50	50	100	4
6.	PEC 151	Deptt. Elective Lab. I	3	50	-	50	1.5
7.	PEC 152	Department Elective II Lab.	3	50	-	50	1.5
8.	PEC 153	Process Plant Design I	3	50	-	50	1.5
		Total	15 4 9	400	250	650	23.5

Credits - Chemical (19.5), MBA (4)

6thSEMESTER

S.	Course	Courses	Co	nta	ct	Mid	End	Total	Credits
No.	code		hrs	hrs per		Term	Term	Marks	
			we	ek					
			L	T	P				
1.	PCC 108	Chemical Reaction	3	1	-	50	50	100	4
		Engineering-I							
2.	PCC 112	Mass Transfer II	3	1	-	50	50	100	4
3.	MBA 302	Human Resource	3	1	-	50	50	100	4
		Management							
4.	PEC 103	Department Elective III	3	1	-	50	50	100	4
5.	OEC I01	Open Elective I	3	-	-	50	50	100	3
6.	PCC 157	Mass Transfer Lab.	-	-	3	50	-	50	1.5
7.	PEC 154	Process Plant Design II	-	-	3	50	-	50	1.5
8.	PCC 155	Chemical Reaction	-	-	3	50	-	50	1.5
		Engineering Lab.							
9.	CHE 102	Industrial Training*				-	-		
		Total	15	4	9	400	250	650	23.5

Credits - Chemical (19.5), MBA (4)

^{*} There will be 6-8 weeks' compulsory industrial training after 6th semester theory examination during summer vacation. Every student will submit the Industrial Training report within one month from the start of teaching of the 7th semester. After that it will be evaluated by the team of Training & Placement Officers. The Credits for the Industrial Training will be awarded in the seventh semester

7thSEMESTER

S. No.	Course code	Courses			et hrs	Mid Term	End Term	Total Marks	Credits
NO.	code		L	r we T	P P	Term	Term	Marks	
1.	PCC 111	Chemical Reaction Engineering II	3	1	-	50	50	100	4
2.	PCC 113	Process Dynamics & Control	3	1	-	50	50	100	4
3.	PCC 115	Environmental Engineering	3	1	-	50	50	100	4
4.	OEC 102	Open Elective II	3	-	-	50	50	100	3
5.	MBA 401	Marketing Management	3	1	-	50	50	100	4
6.	PCC 159	Environmental Engineering Lab.	-	-	3	50	-	50	1.5
7.	PCC 158	Process Dynamics & Control Lab.	-	-	3	50	-	50	1.5
8.	CHE 103	Project Work**	-	-	2	-	-		
9.	CHE 104	Literature Survey, Report Writing and Seminar	-	-	3	50	-	50	1.5
10.	CHE 102	Industrial Training	-	-	-	100	-	100	2
11.	CHE 105	NSS/NCC/Sports proficiency/Community services/Professional activities		-	-		-		1
		Total	15	4	11	500	250	750	26.5

Credits - Chemical (22.5), MBA (4)

** Marks and Credits for Project work will be awarded in 8th Semester 8thSEMESTER

S. No.	Course code	Courses		Contact hrs per week		Mid Term	End Term	Total Marks	Credits
			L	T	P				
1.	OEC 103	Open Elective III	3	1	-	50	50	100	4
2.	OEC 104	Open Elective IV	3	-	-	50	50	100	3
3.	PEC 104	Department Elective IV	3	-	-	50	50	100	3
4.	HSMC	Process Engineering	3	1	-	50	50	100	4
	102	Economics							
5.	MBA 402	Business Environment	3	1	-	50	50	100	4
6.	MBA 403	Project Management &	3	1	-	50	50	100	4
		Entrepreneurship							
7.	MBA 404	Financial Accounting	3	1	-	50	50	100	4
8.	CHE 103	Project Work	-	-	2	50	50	100	2
9.	OEC 151	Open Elective III Lab.	-	-	3	50	-	50	1.5
		(Process Modelling &							
		Simulation lab)							
10.	CHE 106	Comprehensive Viva		-	-	-	50	50	1
		Total	21	5	5	450	450	900	30.5

Credits – Chemical (18.5), MBA (12)

TOTAL CREDITS OF ALL SEMESTERS (Chemical subjects)= 168.5

** Marks and Credits for Project work will be awarded in 8th Semester

S. No.	List of Departmental Electives	S. No.	List of Open Electives
1	Numerical Methods in Chemical Engineering	1.	Process Instrumentation
2	Petroleum Processing Engineering	2.	Industrial Safety and Hazards
3	Transport Phenomena	3.	Nanotechnology
4	Plant Utilities	4.	Polymer Science and Engineering
5	Petrochemical Technology	5.	Process Modelling & Simulation
6	Biochemical Engineering	6.	Supply Chain and Logistic
			Management
7	Food Processing	7.	Environment Impact Assessment
8	Corrosion Engineering	8.	Energy Management and Audit
9	Heterogeneous Catalysis and	9.	Applications of computational fluid
	Reactor Design		dynamics
10	Industrial Environmental	10.	Chemical Process Optimization
	Management		
11	Introduction to Multiphase Flow	11.	Fluidization Engineering
12	Natural Gas Engineering	12.	MOOCS COURSES(all chemical
			engg subjects)
13	Catalysis	13.	Crystal physics
14	Introduction to Colloids and	14.	Advance Physics
	Interfacial Science and		
	Engineering		
15	Biorefinery and Bioproducts	15.	Energy Materials
	Engineering		
16.	MOOCS COURSES(all	16.	Functional Material
	chemical engg and allied		
	subjects)		
		17.	Material Characterization
		18.	Nano Materials

See MOOCs courses at: www.nptel.ac.in and www.nptel.ac.in

9^{th} semester

	Code	Name		Contact hrs per week		Mid Term	End Term	Total Marks	Credits
			L	T	P				
1.	MBA 501	Financial Management	3	1	-	50	50	100	4
2.	MBA 511	Legal Aspects of Business	3	1	-	50	50	100	4
3.	MBA 502	Functional Subject-1	3	1	-	50	50	100	4
4.	MBA 503	Functional Subject-2	3	1	-	50	50	100	4
5.	MBA 504	Functional Subject-3	3	1	-	50	50	100	4
6.	MBA 505	Functional Subject-4	3	1	-	50	50	100	4
7.	MBA 506 ***	Research Project (Management)	-	-	2	-	-	-	-
8.	MBA 507	Workshop on Multivariate Statistical Techniques		-	2	50	-	50	1
9.	MBA 508	Workshop on Communication and Soft Skills		-	2	50	-	50	1
10.	MBA 509	Industrial Training (Management)-II	-	-	-	100	-	100	6
	Total		18	6	6	500	300	800	32

Gro	up-A (Functional Subject-1&2)	Grou	ıp-B (Functional Subject-3&4)
1.	Market Research and Product Management	1.	Services Operations Management
2.	Supply Chain and Logistics Management	2.	Technology Management
3.	Sales and Distribution Management	3.	Purchase and Materials Management
4.	International Human Resource	4.	Advertising and Consumer Behaviour
	Management		
5.	Enterprise Resource Planning	5.	Manufacturing Systems Management

Note: Students in the ninth semester will have to opt for four functional subjects, selecting TWO each from Group A&B.

^{***}Marks and Credits for the Research Project (Management) (MBA 506)will be awarded in 9th Semester.

10th semester

S. No.	Code	Name	hrs	Contact hrs per week		Mid Term	End Term	Total Marks	Credits
			L	T	P				
1.	MBA 510	Strategic Management	3	1	-	50	50	100	4
2.	MBA 512	Functional Subject-5	3	1	-	50	50	100	4
3.	MBA 513	Functional Subject-6	3	1	-	50	50	100	4
4.	MBA 514	Functional Subject-7	3	1	-	50	50	100	4
5.	MBA 515	Functional Subject-8	3	1	-	50	50	100	4
6.	MBA 506 ***	Research Project (management)	-	-	2	50	50	100	2
7.	MBA 516	Seminar on Corporate Governance	-	-	2	50	-	50	1
8.	MBA 517	Workshop on Management Information Systems	-	-	2	50	-	50	1
9.		Comprehensive Viva	-	-	-	-	50	50	1
	Total		15	5	6	400	350	750	25

Gro	up-C (Functional Subject-5&6)	Group-D (Functional Subject-7&8)		
1.	Strategic Cost Management	1.	Management of Financial Services	
2.	Industrial and Rural Marketing	2.	Human Values and Ethics	
3.	Product Innovation in Technology Business	3.	Facilities and Location Management	
4.	Performance Management	4.	Industrial Relations and Labour Laws	
5.	International Business Management	5.	International Financial Management	

Total Credits of Management subjects = 102

Note: Students in the tenth semester will have to opt for four functional subjects, selecting TWO each from Group C&D.

^{***}Marks and Credits for the Research Project (Management) (MBA 506) to be awarded in 9th & 10th Semester.

FIRST YEAR

1st SEMESTER

Title	MANAGEMEN	T & O	RGAN	IZATION	AL BEHAVIOUR	Credits	4	
Code	MBA101	Cours Type	e	Core	Semester:-1st	L T P	31 -	
Max. Marks	End term- 50		Midt	erm- 50	Practical	Elective	N	
Pre requisites	-							
Course Objectives	management. Th	is cours	se empl	hasizes the	students with the basic importance of human e dynamics of individu	capital in the or	ganizations	
Course Outcomes	 To know cri To define co To identify t To recognize Define the co 							
Note for the Examiner	iscompulsory, w markeach or five parts(SECTION)	The examiner will set seven questions of equal marks. The first question ,which iscompulsory, will cover the entire syllabus, having ten conceptual questions of one markeach or five questions of two marks each. Rest of paper will be divided into two parts(SECTIONS) having three questions each and candidate is required to attempt at least twoquestions from each part. The duration of End Term exam will be 3 hrs.						
			SECT	TON A			Hours	
Unit-I:	Scientific, process, school; Quantitativ	human e and sy n mana	behavi ystem s	our and sochool; Con	ent Thought: Early concial system school; Detingency theory of males of managing 21st ce	cision theory nagement; Soci	5 al	
Unit-II:	principles, theories delegation. Decent	anagerial Functions: Planning -concept, significance, types; Organizing -concept, nciples, theories, types of organizations, authority, responsibility, power, legation. Decentralization; Staffing; Directing; Coordinating; Control -nature, occess, and techniques.					ot, 6	
Unit-III:	Unit-III: Organizational Behaviour: Organisational behaviour -concept and significance; Relationship between management and organisational behaviour; organizational culture, Attitudes; Perception; Learning; Personality and values; emotions and moods.			organizational	6			
Unit-IV:	theory X and theor	Motivation: Process of motivation; Theories of motivation - need hierarchy theory, heory X and theory Y, two factor theory, Alderfer's ERG theory, McCleland's earned need theory, Victor Vroom's expectancy theory, Stacy Adams equity theory.						
			;	SECTION	В			
Unit-V:	contingency theory	; Harse	y and E	Blanchard's	neory, behavioral theor situational theory; Ma orary issues in leadersl	nagerial grid;	5	

Unit-VI:	Group Dynamics and Team Development: Group dynamics -definition and importance, types of groups, group formation, group development, group composition, group performance factors; Principle-centred approach to team development.	6				
Unit-VII:	Organizational Conflict and Negotiations: Dynamics and management; Sources, patterns, levels, and types of conflict; Traditional and modern approaches to conflict; Functional and dysfunctional organizational conflicts; Resolution of conflict.					
Unit-VIII:	Organizational Development: Concept; Need for change, resistance to change; Theories of planned change; organization change and stress management, Organizational diagnosis.	6				
Text Books:	 Koontz, Harold, Cyril O'Donnell, and Heinz Weihrich: Essentials of Management, Tata McGraw-Hili, New Delhi. Luthans, Fred: Organizational Behaviour, McGraw- Hili, New York. Robbins, Stephen P, and Mary Coulter: Management, Prentice Hall, New Delhi. Robbins, Stephen P: Organizational Behavior" Prentice Hall, New Delhi. S. Stephen P. Robbins: Organizational Behaviour, Prentice Hall of India Private Limited, New Delhi. Stoner, Freeman & Gilbert, Jr.: Management, Prentice Hall of India private Limited, New Delhi. 					
Reference Books:	 Griffin, Ricky W: Organisational Behaviour, Houghton Mifflin Co., Boston Hellreigel, Don, John W. Slocum, Jr., and Richard W. Woodman: Organiza Behavior, South Western College Publishing, Ohio. Hersey, Paul, Kenneth H. Blanchard and Dewey E. Johnson: Management of Organisational Behaviour: Utilising Human Resources, Prentice Hall, New Ivancevich; John and MicheeolT.Matheson: Organisational Behaviour and Management, Business Publication Inc., Texas. Steers, Richard M. and J. Stewart Black: Organizational Behavior, Harper College Publishers, New York. Sukla, Madhukar: Understanding Organisation Organisation Theory and Practice in India, Prentice Hall, New Delhi. Govindarajan & Natarajan: Principles of Management, Prentice Hall of India Limited, New Delhi. Stoner, Freeman & Gilbert, Jr.: Management, Prentice Hall of India private New Delhi. Tripathy& Reddy: Principles of Management, Tata McGraw-Hill Publication Delhi. Fred Luthans: Organizational Behaviour, Tata McGraw-Hill Publications, No. Udai Pareek: Understanding Organizational Behaviour, Oxford University Delhi. 	tional of Delhi. Collins ions: ia Private Limited, ons, New New Delhi.				
Course Assessment Methods	Assessment will consist of the following components 1. Mid-Term Assessment: One best of two minor tests (50% of Mid-term marks) Assignments (20% of Mid-term marks) Class Surprise Tests/ Quizzes/Presentations/Term paper (20% of Mid-term Attendance. (10% of Mid-term marks) 2.End –Term Assessment: University Examination	marks)				

FIRST YEAR

Title		MANAC	GERIAL	ECON	OMICS		Credits	4
Code	MBA 102	Course	ourse Type Core Semest		Semester:-2 nd	LTP	3 1 -	
Max. Marks		End terr	n -50	Midte	erm -50	Practical	Elective	N
Pre requisites		•						
Course Object	ives	manager manager	ial econo ial decisi optimal	omics a ons giv allocat	and to use en the const	uip students with n them to examine traints facing it. It e arces, production a	how a firm ca equips the student	n make optimal ts with economic
Course Outcomes		 To define the main economic tools and theories available for decision making. To distinguish between the different market structures and pricing practices available to and used by firms. To critically assess and describe the environment and determinants of demand and competition facing the firm. To use the tools of economic theory to estimate the optimal production and pricing decisions taken by the firm in each market structure. To use the tools of estimation and forecasting for business decision making. 						
Note for the Examiner		The examiner will set seven questions of equal marks. The first question ,which is compulsory, will cover the entire syllabus, having ten conceptual questions of one mark each or five questions of two marks each. Rest of paper will be divided into two parts (SECTIONS) having three questions each and candidate is required to attempt at least two questions from each part. The duration of End Term exam will be 3 hrs.						
				SEC	TION- A			Hours
UNIT-I	Man Max	agerial Ec timizing, F	onomics ive Fund	The Fi	rm and its Collage of the collage of	Nature Scope and I doal, Profit Maximizer in Economics, oppositional liscounts and equi-	zing Vs Wealth ortunity costs,	5 es.
UNIT-II	Den		rminants	of Den	nand, Dema	ual Demand, Markend Functions, Func		s of 6
UNIT-III	(Indutili	eory of Consumer Behavior: Cardinal Utility Approach and Ordinal Utility difference Curves) Approach; derivation of demand curve with the help of ity analysis, validity of utility analysis in modern times. sticity of Demand: Concept, Types, Measurement and importance.						y 8
Exp		mand Forecasting: Sources of Data-Expert Opinions, Surveys and Market periments; Time Series Analysis-Trend Projection; Barometric Forecasting-ding Indicators, Composite and diffusion Indices						3
	-				SECTION	N- B		•
UNIT-V	Production Function : Concept and types, Returns to Factor and Returns to Scale Law of Variable Proportions.				ale, 3			
UNIT-VI	Curv	st concepts and Analysis: Concept of Cost, Short run and Lung-run Cost rves, Relationships among various costs, The Learning Curve, Economies of ope and Economies of Scale, The Estimation of Cost, Break-Even Analysis,						f 4

	Combining Break-Even Analysis with Demand, Degree of Operating Leverage, The Uses and Limitations of Break-Even Analysis Revenue Curves: Concept and Types.					
UNIT-VII	Perfect Competition: Characteristics, Equilibrium Price, Profit Maximizing output in Short Run and Long Run; Monopoly: Characteristics, Equilibrium Price, Profit Maximizing output in Short Run and Lung Run; Price Discrimination;	8				
UNIT-VIII	Imperfect Competition : Monopolistic Competition, oligopoly –types and Barriers to Entry.	8				
Text Books:	 H.L.Ahuja: Managerial Economics, S.Chand Publishers (Latest Edition) Craig Peterson, Lewis and Jain: Managerial Economics, Pearson Education, 1sted. Mark Hirshey: Managerial Economics, Thomson, 11th edition. Dr.V.Panduranga Rao: Microeconomics-IBS Publication, 8th edition. Keat: Economic Tools for Today's Decision Makers, 4th Edition, Pearson Education William Samuelson and Stephen G. Mark, Managerial Economics, 5th & 6th Editions, John Wiley & Sons. 					
Reference Books:	 Managerial Economics Analysis: Problem Cases, 8th Edition, Truett&Truett, Wiley K.K. Dewett: Modern Economic Theory, S. Chand & Sons, New Delhi, 14th ed. Mote, Paul Gupta: Managerial Economics, Vikas Publisher, New Delhi, 1st ed. A. Koutsoyiannis: Modern Microeconomics, McMillan, New Delhi, 2nd ed. R.L. Varshney& K. L. Maheshwari: Managerial Economics, S.Chand& Sons, New Delhi, 4thedition 					
Course Assessment Methods	Assessment will consist of the following components 1. Mid-Term Assessment: One best of two minor tests (50% of Mid -term marks) Assignments (20% of Mid-term marks) Class Surprise Tests/ Quizzes/Presentations/Term paper (20% of Mid-term Attendance- (10% of Mid-term marks) 2.End –Term Assessment: University Examination	marks)				

SECOND YEAR

3rd SEMESTER

Title	BUSINESS	STAT	ISTICS	Credits	4			
Code	MBA 201	Cours	е Туре	Core	Semester:-3 rd	LTP	31 -	
Max.Marks	End-term 50 Midter		rm-50	Practical	Elective	N		
Pre requisites	-							
Course Objectives	business ar This course	To develop the ability of students to deal with quantitative and numerical issues on business and enable them to use conceptualize business problems in statistical terms. This course attempts to enhance their understanding and application of fact and evidence based decision making.						
Course Outcomes	2. To know	 To know the practical application of selected statistical tools. To understand and critically examine issues related to sampling and sampling 						

	4	4. To prepare statistical data for business decision making						
Note for Examiner	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							
		SECTION- A	hours					
UNIT-I	Types tabula coding Construction of central	duction to Statistics and Data Presentation- Definition of statistics-Types; of variables; Organising data- histograms, stem-and-leaf displays, crosstion, bar charts, pie charts, and scatter plots; Data Preparation: Editing, g, data entry, cross-tabulation, and graphical displays; Descriptive measurestruction of frequency distributions and their analysis in the form of measures stral tendency and variations, types of measures, skewness-meaning and coent of skewness, Kurtosis.	7					
UNIT-II	rules theore	view of Probability and Probability distributions: Basic definitions and for probability, conditional probability independence of events, Baye's em, and random variables, Probability distributions: Binomial, Poisson, rm and Normal distributions	3					
UNIT-III	sampl sampl	ling distribution and estimation: Introduction to sampling distributions, ing distribution of mean and proportion, application of central limit theorem, ing techniques. Estimation: Point and Interval estimates for population leters of large sample and small samples, determining the sample size.	4					
UNIT-IV	two sa and tw	ng of hypothesis - parametric tests: Hypothesis testing: one sample and ample tests for means and proportions of large samples (z-test), one sample wo sample tests for means of small samples (t-test), F-test for two sample and deviations. ANOVA one and two way.	8					
		SECTION- B						
UNIT-V	square te Sign test fit, comp	rametric tests: Chi-square test for single sample standard deviation. Chiests for independence of attributes, Test of Homogeneity and goodness of fit. for paired data. Rank sum test. Kolmogorov-Smirnov – test for goodness of paring two populations. Mann – Whitney U test and Kruskal Wallis test. One un test, rank correlation.	5					
UNIT-VI	coefficie	tion and regression: meaning & types of correlation, Karl Pearson's ent of correlation and spearman's rank correlation, regression analysisand two lines of regression, relationship between correlation and regression ent.	7					
UNIT-VII	Least S	ries analysis: Time series analysis: Variations in time series, trend analysis, quare Method, cyclical variations, seasonal variations and irregular is, forecasting errors;	6					
UNIT-VIII	consister	umbers: Definition and Methods of Construction of Index Numbers; Tests of ney, Base shifting, splicing and Deflation; Problems in construction, are of index numbers in Managerial decision making	7					
Text Books:		nd, W.G., Business Research Methods, Cengage Learning, Singapore per, D.R. & Schindler, P.S., Business Research Methods, Tata McGraw I	Hill, New					
Reference Books:		aran, U. Research Methods for Business-A Skill Building Approach, John ey,Singapore.						

	 Kumar, R., Research Methodology- A Step by Step Guide for Beginners. , PearsonEducation. Glyn Davis &BrankoPecar "Business Statistics Using Excel" Oxford University Press, 2012. Levine, David M., Krehbiet, Timothy C. and Berenson, Mark L. Business Statistics, Pearson Education, Delhi 2004. J.K.Sharma" Business Statistics-Problems and Solutions" Pearson, 2010.
Course Assessment Methods	Assessment will consist of the following components 1. Mid-Term Assessment: One best of two minor tests (50% of Mid -term marks) Assignments (20% of Mid-term marks) Class Surprise Tests/ Quizzes/Presentations/Term paper (20% of Mid-term marks) Attendance. (10% of Mid-term marks) 2.End –Term Assessment: University Examination

Title		OPER	ATIONS	RESE	ARCH	Credits	4	
Code		MBA 202	Course type	Core	Semester:-	LTP	3 1 -	
Max. Mar	·ks	End term -50	Midter	m -50	Practical	Elective	N	
Pre requis	sites	-						
Course Objectives	S				course is to a making effect		dents with scientific to s decisions.	ols and techniques
Course Outcomes		2. T 3. T 4. T	o solve lino be able ethods	to build	ogramming produce tra	oblems ansportation	al models for business so a and assignment problem a out of alternative cours	n using appropriate
Note for Examiner		or five que having the	ry, will c lestions o ree quest	over the f two moves ions ea	e entire syllah arks each. Re	ous, having st of paper late is requ	ks. The first question ,wheten conceptual questions will be divided into two ired to attempt at least thrs.	s of one mark each parts (SECTIONS)
	•			SEC	TION- A			
UNIT-I	Ope r maki		search: I	Evolutio	on, methodolo	gy and role	in managerial decision	4
UNIT-II Linear programming: Meaning, assumptions, advantages, scope and limitations, formulation of problem and its solution by graphical and simplex methods, special cases in simplex method, infeasibility, degeneracy, unboundedness and multiple optimal solutions, duality sensitivity analysis.						8		
UNIT-III	UNIT-III Transportation problems including transin transportation problems, unbalanced probjective and multiple optimal solution travelling salesman's problem, special					blems, deg assignmen	generacy, maximization nt problems including	10

ι	unbalanced problems, maximization objective and multiple optimal solutions	
	SECTION- B	
UNIT-IV	Theory of Games: Pure strategy games, principle of dominance; mixed strategy games (Algebraic, Graphical & Linear programming method), 2-person, non-zero- sum games.	8
UNIT-V	Queuing Theory: Introduction, elementary queuing system; single channel queuing model, queuing cost behaviour, multiple channel queuing model, Poisson arrivals and Erlang service distribution; benefits and limitations of queuing theory.	8
UNIT-VI	Inventory models, simulation and decision theory - Inventory Models - EOQ and EBQ Models (With and without shortages), Quantity Discount Models. Decision making under risk - Decision trees - Decision making under uncertainty. Application of simulation techniques for decision making.	7
Text Books:	1.Vohra, N.D.: Quantitative Techniques in Management; 2 nd Edition, Tata McC 2.Gupta, P.K. and Hira, D.S.: Operation Research, S. Chand, New Delhi. 3.SwarupKanti, Gupta, P.K. and Man Mohan: Operation Research, 12 th revision than described to the Sons, New Delhi;	
Reference Books:	 Mittal, K. V, Mohan, C. Optimization Methods in Operations Research and New Age, 2003. Ravindran, A, Phillips, D. T, Solberg, J. J, Operations Research: Principles Willey and Sons, 2nd Edition, 2009. P. SankaraIyer, Operations Research, Tata McGraw-Hill, 2008. Paneerselvam R., Operations Research, Prentice Hall of India, Fourth Print, 	and Practice, John
Course Assessment Methods	Assessment will consist of the following components 1. Mid-Term Assessment: One best of two minor tests (50% of Mid-term marks) Assignments (20% of Mid-term marks) Class Surprise Tests/ Quizzes/Presentations/Term paper (20% of Mid-Attendance. (10% of Mid-term marks) 2.End –Term Assessment: University Examination	-term marks)

Title		WORKSHOP ON BUSINESS RESEARCH Credits 2						
Code		MBA 203		Semester:-3 rd		LTP	00 2	
Max.Marks		End term Mid te		erm Practical 50		Elective	N	
Pre requisite	es	-						
PRACTICA	L							
Note for Examiner	Note for the Examiner							
	SECTION- A h							hours
UNIT-I	UNIT-I Introduction to business research: Definition, characteristics, types; research process –							6

	an overview, review of literature – its role and significance in the stages of research process, theory building, ethical issues in business research; formulation of the research problem and research proposal; hypothesis - definition, formulation and types						
UNIT-II	Research Design : Meaning, Characteristics and various concepts relating to research design and classification of research design, Importance.	5					
	SECTION- B						
UNIT- III	J						
UNIT- IV	sampling design and sampling procedures, sample size estimation ,fieldwork, processing of data, data analysis -basic data analysis , hypothesis testing –t test ,chi square test, test of proportion, bivariate analysis -tests of differences and measures of association through use of parametric and non parametric tests, report writing, use of computers in research.	6					

Text& Reference Books:

- 1. Zikmund, W.G., Business Research Methods, Cengage Learning, Singapore
- 2. Cooper, D.R. & Schindler, P.S., Business Research Methods, Tata McGraw Hill, New Delhi
- 3. Sekaran, U. Research Methods for Business-A Skill Building Approach, John Wiley, Singapore.
- 4. Kumar, R., Research Methodology- A Step by Step Guide for Beginners., PearsonEducation.
- 5. Glyn Davis &BrankoPecar "Business Statistics Using Excel" Oxford University Press, 2012.
- 6. Levine, David M., Krehbiet, Timothy C. and Berenson, Mark L. Business Statistics, Pearson Education, Delhi 2004.
- 7. J.K.Sharma" Business Statistics-Problems and Solutions" Pearson, 2010.

SECOND YEAR

4th SEMESTER

Title	PRODUCTION	AND OPERAT	ION MAN	AGEMENT	Credits	4		
Code	MBA 204	Course Type	Core	Semester:-4 th	LTP	3 1 -		
Max.Marks	End term- 50	Midterm-50		Practical -	Elective	N		
Pre requisites	Operations Research							
Course Objectives	The objective of this course is to introduce the major concepts and tools used in design and use of operations systems in organizations. The course emphasises on familiarization of various production processes and service systems.							
Course Outcomes	 Identify the elements of operations management and various transformation processes to enhance productivity and competitiveness. To analyse and evaluate facility location decisions and capacity planning decisions. To develop aggregate plans and material resource planning. Plan and implement suitable materials handling principles and practices in the operations. Plan and implement suitable quality control measures in Quality Circles to TQM. 							
Note for the Examiner				al marks. The first quest ving ten conceptual qu		mark each or		

	five questions of two marks each. Rest of paper will be divided into two parts (shaving three questions each and candidate is required to attempt at least two que each part. The duration of End Term exam will be 3 hrs.						
	SECTION – A	hours					
UNIT-I	Introduction to operations management: An overview of Operations Management; Operations Management Strategy framework; Understanding similarities and difference among products, goods and services; Historical evolution of operations management-Changes & Challenges	3					
UNIT-II	Product Design & Development: Product Design and its Characteristics; Product Development Process (Technical); Product Development Techniques. Process Selection: Project, Job, Batch, Mass & Process types of Production Systems; Product-Process Mix; Design of Process Flows	3					
UNIT-III	Facility Location: importance; location planning process; Factors in Location Analysis; Location Analysis Techniques. Facility Layout: Introduction, Objectives of Layout, Types of Layouts, Importance of layout decisions and nature of layout problems, Assembly Line Balancing, Material handling.	8					
UNIT-IV	Capacity Planning: Concepts; Factors Affective Capacity; Planning; Capacity Planning Decisions. Production Planning & Control (PPC): Concepts; Objectives; Functions and Advantages of Aggregate Plan, Steps in Developing an Aggregate Plan, , Aggregate Planning Strategies; Work Study: Productivity; Method Study; Work Measurement						
	SECTION - B						
UNIT-V	Materials Management: Concepts; Objectives Functions of Purchasing Management: Objectives; Functions; Methods; Procedure Stores Management: Types of Stores; Functions; Coding Methods						
UNIT-VI	Introduction to modern Productivity techniques: Just in time; Kanban System; Total quality management &six sigma. Value Engineering: Introduction, Value Engineering/Value Analysis, Relevance of VE in Modern Manufacturing, Process of Value Analysis, VE – Approaches and Aim, Providing Value to the Customers, Benefits						
UNIT-VII	Inventory Management: Concepts; Classification; Objectives; Factors Affecting Inventory Control Policy; Inventory Costs; Basic EOQ Model; Re-order Level; ABC Analysis.						
UNIT-VIII	Maintenance Management: Concepts; Objectives; Functions; Types of 3 Maintenance						
Text books	 Nair: Production & Operation Management, Tata McGraw H Adam & Ebert: Production & Operation Management, P India Krajewski&Ritzman: Operations Management, Pearson Education Buffa&Sarin: Modern Production/Operations Management, J SN Chary: Production & Operations Management, Tata McG 	rentice Hal ation Asia ohn Wiley					
Reference bo		Lee J. Krajewski, Manoj K. Malhotra, Larry P. Ritzman& Samir K.					

Assessment will consist of the following components 1. Mid-Term Assessment: One best of two minor tests (50% of Mid-term marks) Assignments (20% of Mid-term marks) Class Surprise Tests/ Quizzes/Presentations/Term paper (20% of Mid-term marks) Attendance. (10% of Mid-term marks) 2.End –Term Assessment: University Examination

THIRD YEAR

5th SEMESTER

Title	TOTAL QUALITY MANAGEMENT Credits								
Code	MBA 301	MBA 301 Course Type Core Semester:-5 th				LTP	3	1 -	
Max.Marks	End term- 50		Midter	rm-50	Practical	Elective	N		
Pre requisites	-								
Note for the Examiner	compulsory, v five questions having three of	The examiner will set seven questions of equal marks. The first question ,which is compulsory, will cover the entire syllabus, having ten conceptual questions of one mark each or five questions of two marks each. Rest of paper will be divided into two parts (SECTIONS) having three questions each and candidate is required to attempt at least two questions from each part. The duration of End Term exam will be 3 hrs.							
		S	ECTIO	N – A					
UNIT-I	quality manage Customer Foot requirements	Introduction to quality management: A conceptual framework of quality management, Quality-Vision, Mission and Policy statements, Customer Focus- Customer perceptions of quality, Translating needs into requirements, Dimensions of product and service quality, Strategic quality management, Benchmarking.							
UNIT-II	contribution of Ishikawa, Taş function, para 5S principles a Indian standar of India, Inter specifications.	Principles and Philosophies of quality management: Overview of contribution of Deming, Juran, Crosby, Massaki Imai, Feigenbaum, Ishikawa, Taguchi Techniques, Comparing the quality gurus-loss function, parameter and tolerance design, signal to noise ratio, Japanese 5S principles and 8D methodology. Quality system standards, bureau of Indian standards, Agmark Grading and standardization, quality council of India, International organization for standardization, conformance to specifications, quality assurance, Quality circles, quality Audits, ISO 14000, Customer operations and performance centre (COPC) 2000							
UNIT-III	services, class quality, previous costs, cost of	Service quality Management and cost of Quality: Products and services, classification of services, service quality, measuring service quality, prevention costs, appraisal costs, internal and external failure costs, cost of quality models, India's quality journey so-far, quality related priorities of Indian Companies							
				SECTION	– B				
UNIT-IV	Statistical quality/process control – Meaning and significance of statistical process control, Introduction to Quality control and its benefits, Variation in processes, Process capability – meaning significance, measurement and its analysis, control charts for variables and attributes, establishing and interpreting control charts,								
UNIT-V	Reliability concepts – Definition , reliability in series and parallel , product life characteristics curve , Total productive maintenance (TPM) , Business process improvement principles. Concept of acceptance sampling , sampling by attributes , single and double sampling plans , inspection by samples ,AQL ,LTDP , consumers and producer's risk , construction and use of operating characteristic curves , using of standard sampling tables , sampling by variables , continuous sampling plans , vendor ratings.								

UNIT-VI	Six Sigma: meaning, seven magnificent quality tools, introduction to experimental method and Taguchi method, Concept, Process and application of Quality Function deployment (QFD), building House of quality, FMEA analysis-stages, design, process and documentation, benchmarking						
Text Books:	 ShridharaBhat K , Total Quality Management -Test and Cases , Himalaya Publishing House. Total Quality Management, Subburaj , TMH Dale H. Besterfield , Carol Besterfield – Michna, Glen H. Besterfield- Sacre, Hermant – Urdhwareshe , RashiUrdhwareshe , Total Quality Management, Revised 3rd Edition , Pearson Education 						
Reference Books:	 Probability and Reliability with Statistics , Trivedi , PHI Statistical Quality Control ,M.Mahajan TQM in Service Sector , R.P. Mohanty and R.R. Lakhe Total Quality Management , Arora and Kataria 						
Course Assessment Methods	Assessment will consist of the following components 1. Mid-Term Assessment: One best of two minor tests (50% of Mid -term marks) Assignments (20% of Mid-term marks) Class Surprise Tests/ Quizzes/Presentations/Term paper (20% of Mid-term marks) Attendance. (10% of Mid-term marks) 2.End –Term Assessment: University Examination						

THIRD YEAR

6th SEMESTER

Title	HUMAN RESO	HUMAN RESOURCE MANAGEMENT Credits 04								
Code	MBA 302	Course	е Туре	Core		Semester:-5 th	LTP	3 1 0		
Max.Marks	End term 50		Midterm	50	Pra	ctical	Elective	N		
Pre requisites	-									
Course Objectives		The objective of this course is to familiarize the students with different aspects of managing human resources in an organization from acquisition to development to retention.								
Course Outcomes	 To understand the basic concepts, functions and processes of human resource management and its role in effective business administration. To understand and design various human resource management processes such as recruitment, selection, training, development, performance appraisals, reward systems, compensation, and ethical behavior. To implement various labor legislations related to human resource managementand also to ensure that the organization adheres to legal standards and in-house policies. Maintain healthy industrial relations and be able to handle employee issues 									
Examiner (compulsory, will cor five questions (SECTIONS) havi	over the of two ng three	entire sylla marks ea questions	abus, ha ach. Re each a	est of the call of	ten conceptual questi ten conceptual ques f paper will be di ndidate is required m exam will be 3 hrs	tions of one ma ivided into tw to attempt at le	o parts		

	SECTION- A	hours					
UNIT-I	Introduction: Meaning, scope, objectives and functions of HRM; Importance & Strategic Role of Human Resource Management; HRM & HRD a comparative analysis; Environment of HRM: Role of government, internal and external forces; Human 5						
UNIT-II	Environment of HRM: Role of government, internal and external forces; Human Resource Management practices in India.						
UNIT-III	Human Resource Planning: Definition, objectives, process and importance; Job analysis, description, specification & job evaluation; Recruitment, selection, placement and induction process;						
UNIT-IV	Human Resource Development: Concept, Employee training & development; Career Planning & development, Managing Career and Fair Treatment; Promotions, demotions, transfers, separation, absenteeism & turnover;	6					
	SECTION- B						
UNIT-V	Job Compensation: Wage & salary administration, incentive plans & fringe benefits.	8					
	Labour Legislations: Factories Act, International Labor Organization Labor Management Cooperation/Workers' Participation in Management, Payment of Wage Legislation Minimum Wage Legislation, Equal Remuneration Legislation						
UNIT-VI	Performance Management: Concept & process, performance appraisal, Potential appraisal;						
UNIT-VII	Quality of work life (QWL):Meaning, techniques for improving QWL.						
UNIT-VIII	Industrial Relations: Concept and theories, trade unions; Health, Safety & Employee welfare measures; Employee grievances and discipline, participation & empowerment; Introduction to collective bargaining, Methods of settling Industrial Disputes, Legislations Concerning Settlement of Industrial Disputes						
Text Books:	 GargyDessler and BijuVarkkery– Human Resources Management Prentice H Pearson Education – 2003 Indian Reprint Eleventh Edition (or later) S.C.Srivastava Industrial Relations &Labor Laws Vikas Publishing House Pvt Fourth Revised Edition P. Jyothi and D. N. Venkatesh Human Resource Management Oxford Unive Latest Edition C.B.Mamoria&S.V.Gankar ;A Text book of Human Resource Management Publishing House Pvt. Ltd Latest Edition M. Lall Human Resource Management ;Excel Books Latest Edition 	Ltd Delhi.					
Reference Books:	 Chandra, Prasanna (2008) Human Resource Management First Indian Print 200 Sinha, Sinha and Shekhar – Pearson Education Second Edition, 2006. Gomez-Mejia, Balkin and Cardy Managing Human Resources Pearson Educ Edition David Lepak, Many Gowar; Human Resource Management; Pearson Latest Ed Fisher, Schoenfeldt, Shaw Managing Human Resource Cengage Learning Lates 	ation Third					
Course Assessment Methods	Assessment will consist of the following components 1. Mid-Term Assessment: One best of two minor tests (50% of Mid-term marks) Assignments (20% of Mid-term marks) Class Surprise Tests/ Quizzes/Presentations/Term paper (20% of Mid-term Attendance. (10% of Mid-term marks) 2.End –Term Assessment: University Examination	marks)					

FOURTH YEAR

7th SEMESTER

Title	MARKETING MANAGEMENT						Credits	4
Code	MBA 401	Course	Type	Core	:	Semester:-7 th	LTP	31 -
Max.Marks	End term 50		Mid teri	m 50	Pra	ctical	Elective	N
Pre requisites	-							
THEORY								
Course Objective	techniques of n	nanaging	the mark	eting o	perat	nderstand concepts, phions of a firm with a vie the marketing function.		
Course Outcomes	 To familiarize the students with the fundamentals of marketing and enable them to make better marketing decisions. Discuss and analyze the marketing environment, marketing research process and customer value. To employ the concepts consumer behavior for implementing relevant segmentation, targeting and positioning strategy. To develop the skills needed to take better distribution decisions and critically analyze the promotion mix and design promotional campaigns. To understand the role of services marketing and develop customer relationship management systems. To identify suitable pricing strategy for a given market. 							
Note for the Examiner	compulsory, wi	ll cover of two nuestions	the entire narks each each and	syllab n. Rest candid	us, ĥa t of p date i	al marks. The first quest ving ten conceptual que aper will be divided in s required to attempt at ll be 3 hrs.	stions of one ma to two parts (SE	ECTIONS)
			SECT	ION-A	\			Hours
UNIT-I	Introduction to Marketing: Meaning, Nature & Scope as the key business function in Organizations – Marketing for New Realities –Concepts/Philosophies of Marketing; Holistic Marketing Concept – Extended Marketing Mix – Key Customer Markets: Consumer, Business, Global, Non-profit & Government – Market Space – Meta Markets. Concept of Value chain.					5		
UNIT-II	Realit Environment; Technological – Marketing In	Marketing Environment: Marketing Environment; New Marketing Realities; New Consumer Capabilities; Demographic Environment; Social-Cultural Environment; Natural Environment; Technological Environment and Political-Legal Environment; Concept of Big Data – Marketing Intelligence Market Strategic Planning – Elements of Marketing Plan, SWOT analysis.						
UNIT-III	factors influen	cing cor	nsumer be	ehavio	r; bu	Process; Sources of cying decision process; the Buying Process.		6

UNIT-IV	Market Segmentation: Levels of market segmentation; segmenting consumer markets; Niche Marketing; segmenting business markets; Michael Porter's five forces model; Analyzing competitors; Competitive Market Strategies – Leaders, Challengers, Followers & Nichers; Targeting and Positioning.								
	SECTION-B								
UNIT-V	Product Decisions: Creating Value: The Product – Goods & Services Continuum – Classification & Levels of Product – Product Decisions: Product Mix and Product Lines – Concepts. Product Life Cycle Strategies – Brand Concepts – Marketing of Services – Extended Marketing Mix for services – Packaging & Labeling Decisions – Warranties & Guarantees – New Market Offering – Types of new Product – New Product Development: Stages – New Product Success & Failure – Diffusion of Innovation.								
UNIT-VI	Pricing Strategies : Understanding Pricing- pricing decisions, determinants of price,; Setting the Price, policies and strategies; Initiating and Responding to Price Changes; Reactions to Competitor's Price Changes	4							
UNIT-VII	Marketing Channels: Marketing Channels; Role of Marketing Channels; Identifying Major Channel Alternatives; Types of Intermediaries; Channel-Management Decisions, Retailing, Wholesaling, selection and management of intermediaries. Marketing Communication: The Role of Marketing Communications; Communications Mix-Advertising, Sales Promotion, Public Relations and Publicity, Events and Experiences, Direct and Interactive Marketing, Personal Selling								
UNIT-VIII	Marketing organization and control: organizing for marketing; marketing implementation& control-Concept, Process & Types of Marketing Control – Marketing Audit –Marketing Challenges in Globalized Era – Marketing through Social Network & Digital platforms – Social Marketing – Elements of Social Marketing Plan – Green Marketing – Consumerism – Introduction to Marketing Analytics; ethics in marketing.								
Text books	 Kotler, P. Keller K.I. et al: Marketing Management, A South Asian Perspectiedition), Pearson. Ramaswamy, V.S. &Namakumari, S: Marketing management, planning, impleated and control, (Latest edition), Mechmillan. 								
Reference books	 Kotler, P. Keller K.I. et al: Marketing Management, A South Asian Perspectic edition), Pearson. Ramaswamy, V.S. &Namakumari, S: Marketing management, planning, imple and control, (Latest edition), Mechmillan. Hepner H.W.: Modern Marketing- Dynamics and Management.11th, UBS. James M. Carman and Kenneth P. Phillips and Duncan: Marketing Princ Methods. Britt and Boyd (ed): Marketing Management and Administration, 2nd, PHI. Cundiff, W.F. and Still R,: Basic Marketing, webedi, 1999, PHI. Converse Paul and Harvey W.Hugg: Elements of Marketing, 7th ed., PHI. Kotler, Philip and Armstrong: Principles of marketing, New Delhi, PHI, 11th ed., Hoffman, Douglas, K., et al: Marketing, Best Practices, 2nd ed., Thomason South Saxena, R: Marketing Management, 2ndedition, TMH. 	ementation eiples and 2005.							
Course Assessment Methods	Assessment will consist of the following components 1. Mid-Term Assessment: One best of two minor tests (50% of Mid-term marks) Assignments (20% of Mid-term marks) Class Surprise Tests/ Quizzes/Presentations/Term paper (20% of Mid-term marks) Attendance. (10% of Mid-term marks)	narks)							

2.End –Term Assessment: University Examination

FOURTH YEAR

$8^{th}\,SEMESTER$

Title		BUSINESS ENVIRONMENT Credits						Credits	4
Code		MBA 402	Cours	e type	Core		Semester:8th	LTP	3 1 -
Max.Marks		End term 50 Midterm 50 Practical Elective					Elective	N	
Pre requisite	es	-							
Course Objectives	8								
Course Outcomes	1. 2. 3. 4.	 Acquire knowledge about various components of business environment To apply the techniques for internal and external environmental analysis. To know and understand various state policies, economic legislation and economic reforms laid down by the government. 							
THEORY	ı								
Note for Examiner	the The examiner will set seven questions of equal marks. The first question ,which is compulsory, will cover the entire syllabus, having ten conceptual questions of one mark each or five questions of two marks each. Rest of paper will be divided into two parts (SECTIONS) having three questions each and candidate is required to attempt at least two questions from each part. The duration of End Term exam will be 3 hrs.								
				SECTIO	N – A				HRS
UNIT-I	of di Envir	fferent, envi	onmen Busines	t factors, ps, Politico-	process legal e	of o	environmental sca	interaction matrix anning, Economic ss, environmental	5
UNIT-II	Economic environment: The philosophy, strategy and planning in India, monetary policy and their impact on Indian business, industrial policy foreign trade policy and their impact on Indian business, political environment: relation between business and government of India. constitutional provisions related to business, concept of state intervention in business, ideology of different political parties, bureaucracy and Indian business.						6		
UNIT-III	Economic Planning in India: Objectives, Strategies and Evaluation of Five Year Plan; Public Sector in India; Privatization and Disinvestment; New Economic Policy-Liberalization and Structural Adjustment Programmes; Economic Systems.						5		
UNIT-IV	Economic Policies in India: Monetary Policy as an instrument of growth; Fiscal Policy and Indian business; Industrial Policy and Industrial Licensing in India; EXIM Policy, MRTP Act, FERA, FEMA								
				SI	ECTIO	N –	В		
UNIT-V	Tech	nological ei	vironi	nent: Poli	cy for	rese	arch and develo	pment in India,	5

	appropriate technology, debate of technology v/s labour, MNC as a source of transfer to technology and its implication, institutional infrastructure for exports in India, India's export-import policy, global business environment, significance of foreign investment in India, opportunities and threats in WTO and the new international trading regime, tariff and non tariff barriers in global trade.						
UNIT-VI	Socio-cultural environment in India: Critical elements of socio – cultural environment-salient features of Indian culture values and their implication for Indian business, middle class in India and its implications on industrial growth in India, consumerism as emerging force,						
UNIT-VII	Social responsibility of business, business ethics and Indian business, impact of mass media on Indian business; Emerging rural sector in India and Indian Business; changing role of rural sector in India: rural income and rural demand of consumer durable.						
UNIT- VIII	International Economic Environment: Globalization - concept and emergence of globalization; Foreign Direct Investment; Benefits and Problems from MNCs; WTO-its role and functions, implications for India; Devaluation of Rupee	6					
Text books	 RuddarDatt& K.P.M. Sundaram: Indian Economy, Sultan Chand and Sons. R.V. Badi: Indian Business Environment, Himalaya Publishing House. Francis Cherunilam: Global Economy and Business Environment, Himala House. 	aya Publishing					
Reference books	 G.Rama Krishna & A.G. Moss V.Suguna: Economic Reforms in India-Prospect, Himalaya Publishing House. M.R. Das: WTO Opportunities and Challenges for Indian Banking, Himala House. Misra&Puri: Economic Environment of Business, Himalaya Publishing House. I.J. Ahluwalia: Industrial Growth in India, Oxford University Press. S. Chakravarthy: Development Planning, Oxford University Press. Adhikari, A., Economic environment of business, Sultan Chand & Sons Adhikary, M., Business Economics, Excel Books, New Delhi. Aswathappa, K., Essentials of business environment, Himalaya Publishing I Cherulinum, F., Business Environment, Himalaya Publishing House Puri, V.K. and Misra, S.K., Indian economy, Himalaya Publishing House. 	aya Publishing					
Course Assessment Methods	Assessment will consist of the following components 1. Mid-Term Assessment: One best of two minor tests (50% of Mid-term marks) Assignments (20% of Mid-term marks) Class Surprise Tests/ Quizzes/Presentations/Term paper (20% of Mid-term dated ance. (10% of Mid-term marks) 2. End –Term Assessment: University Examination	erm marks)					

Title	PROJEC' ENTREP		MANAGEMENT & NEURSHIP				04
Code	MBA 403	Course type	Core	Semester:-8 th		LTP	310
Max.Marks	End term 50	Mid	Mid term 50		Practical	Elective	N
Pre requisites							_

Course Objectiv	/es	 This course is aimed at introducing the primary important concepts of project management, project life cycle, scheduling, evaluation, analysis and reporting. To acquire necessary knowledge and skills required for organizing and carrying out entrepreneurial activities, to develop the ability of analysing and understanding business situations in which entrepreneurs act and to master the knowledge necessary to plan entrepreneurial activities 							
Course	es	 projects and account for the function of the project and its re organisations based on analysis of the influence of external project To plan and organize a project quickly and efficiently and deproject schedules. Use analysis tools and planning models linked to project mate to track project status, detect problems early ,and control a project status. 	ols and planning models linked to project management and using metrics status, detect problems early ,and control a project nditions for entrepreneurship and how a business plan is drawn up.						
Note for the Examine	er cover mar and	examiner will set seven questions of equal marks. The first quester the entire syllabus, having ten conceptual questions of one marks each. Rest of paper will be divided into two parts (SECTIONS candidate is required to attempt at least two questions from each movement of the part	k each or five questions of two S) having three questions each						
		SECTION- A	Hours						
UNIT-I	project Financ Impler	Formulations and Planning ,Private commercial criteria for choice, project cycle, feasibility, marketing feasibility, ing for Projects and financial feasibility, Project mentation. Brief outline of social cost benefit analysis: rationale, D and little Mirrlees approaches, UNIDO IDCAS manual.	8						
UNIT- II	paybac rate of rate of	et appraisal: time value of money, project appraisal techniques: ek period, accounting rate of return, net present value, internal return, benefit cost ratio, social cost benefit analysis, effective protection, risk analysis: measures of risk, sensitivity analysis, tion analysis, decision tree analysis.	8						
UNIT- III	CPM contrac resource rationi	and PERT analysis, float times, crashing of activities, etion of network for cost optimization, updating, cost analysis of ces allocation, multiple projects: project dependence, capital ng, ranking methods of projects, mathematical programming ch, linear programming model, post project evaluation.	7						
		SECTION- B							
UNIT- IV	Entrepreneur- Concept on percent - Functions and clarifications of entrepreneurs - Characteristics of entrepreneur - Nature and importance of ,entrepreneur - Entrepreneur vs. professional manager - Women entrepreneurs.								
UNIT-V	Policie progra entrepro other constant to entr	pt of Entrepreneurship - Entrepreneurship and environment- ss governing entrepreneurs, entrepreneurial development mmes - Institutions for - entrepreneurship development, reneurship. Entrepreneurship -Entrepreneurship development in countries. Institutions for Entrepreneurial Development - Role of mcy organizations - Role of financial institutions -Bank finance epreneurs Entrepreneurship development: Role of development al institutions.	11						
·		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·						

Text books	1.Prasanna Chandra: Projects: Preparation, Appraisal Budgeting and Control, 7th edition, TMH. 2. Vasanta Desai: Dynamics of entrepreneurial development and management, 11th edition, Himalaya publishing.						
Reference books	 UNIDO: Guidelines for Project Evaluation, United Nations, reprinted,1993 Manual for the preparation of Industrial Feasibility Studies, United Nations 1995. Manual for Evaluation of Industrial Projects, United Nations, reprinted on 1993 IMD little and J.A. Mirrlees: Project Apraisal and Planning in Developing Countries, Vasanta Desai: Entrepreneurial development, and Management, 13th edition, Himalaya pub., Harper Collins, edition- Paperback. Peter F. Drucker: Innovation and development 						
Course Assessment Methods	Assessment will consist of the following components 1. Mid-Term Assessment: One best of two minor tests (50% of Mid-term marks) Assignments (20% of Mid-term marks) Class Surprise Tests/ Quizzes/Presentations/Term paper (20% of Mid-term marks) Attendance. (10% of Mid-term marks) 2.End –Term Assessment: University Examination						

Title	Financial Acc	ts	4							
Code	MBA 404 Course Type Core Semester-8 th				LTP		3 1	-		
Max.Marks	End term 50		Midter	m 50	Practical	Electiv	ve	N		
Pre requisites	-									
Course Objective		The objective of this course is to enable students make financial statements, analyse them and valuate the financial performance of firms.								
Course Outcomes	 Identify the state of the state	 Identify the main elements of financial statements Explain the differences between management, financial and cost accounting Analyse the financial statements and point out areas of concern in the financial statements. 								
THEORY										
Note for the Examiner	will cover th questions of t	e entire wo marks as each a	syllabus, s each. R and cand	having ten est of paper idate is req	qual marks. The first q n conceptual question will be divided into to uired to attempt at le 2 3 hrs.	s of one	e mark (SECT)	each oi IONS) h	five aving	
		S	ECTION	N-A				Hours		
UNIT-I	Accounting: Accounting and its functions; Accounting as an information system; Basic Accounting Concepts and Accounting Conventions; Accounting Principles; Generally Accepted Accounting Policies (GAAP); Accounting Standards, Branches of Accounting: Financial Accounting; Cost Accounting; Management Accounting;									
UNIT-II	Accounting c	ycle: Acc	counting l	Equation; A	ccounting Structure; T	ypes of	10			

	Ledge Accou	ints. Rules regarding Journal Entries; Recording of Journal Entries; r Posting; Cash book; Trial Balance; Preparation of Final ints; Trading Account; Profit & Loss Account; Balance Sheet; ment of Adjustments into trial balance.					
UNIT-III	Functi and Import Object	Meaning of Management Accounting: Nature; Scope; Objectives; Functions of Management Accounting; Relationship between Financial and Management Accounting; Meaning of Financial Statement; Importance and Limitations of Financial Statement; Meaning and Objectives of Financial Statement Analysis; Limitation of Financial Analysis.					
		SECTION-B					
UNIT-IV		of financial analysis: Ratio analysis; Common size statements; analysis; Fund flow and cash flow statement.	8				
UNIT-V	Absor cost da	Cost Accounting: Meaning, scope and classification of costs; Absorption costing; Marginal costing and break even analysis; Use of cost data in managerial decision making, Preparation of budgets and their control					
UNIT-VI		branches of accounting: Responsibility Accounting- nsibility Centre; Price Level Accounting, Social Accounting, n Resource Accounting	6				
Text books		 Charles T. Horngren, Gary L. Sundem, John A. Elliott and Donna Philbrick: Introduction to Financial Accounting, Prentice Hall India. Hanif Mukherjee: Financial Accounting, Tata McGraw Hill 					
Reference books:		 Charles T. Horngren, Jeff Schatzberg, Gary L. Sundem and William O. Ostratton: Introduction to Management Accounting, Pearson Education. Hilton Ronald: Managerial Accounting, McGraw Hill Professional Charles T. Horngren, Srikant M. Datar and George Foster: Cost Accounting- A Managerial Emphasis, Prentice Hall India. N.R.Swamy: Financial Accounting-A managerial Perspective, Prentice Hall India. J.R. Williams, S.F. Haka, M.S. Bettner and R.F. Meigs: Financial and Managerial Accounting – The Basis for Business Decisions, Tata McGraw Hill. 					
Course Assessment Methods		Assessment will consist of the following components 1. Mid-Term Assessment: One best of two minor tests (50% of Mid -term marks) Assignments (20% of Mid-term marks) Class Surprise Tests/ Quizzes/Presentations/Term paper (20% of Mid-term marks) Attendance. (10% of Mid-term marks) 2.End –Term Assessment: University Examination					

FIFTH YEAR

9th SEMESTER

Title	FINANCIAI	FINANCIAL MANAGEMENT Credits 04							
Code	MBA 501	MBA 501 Course t		Core	Semester:-9th	LTP	3 1 0		
Max.Marks	End term 50		Mid- to	erm 50	Practical -	Elective	N		
Pre requisites									
Course Objectives		and conte	emporar	y theory and	the students about the policy in order to ma				
Course Outcomes	policies t 2. Explain t 3. Apply te 4. Explain t used to n	policies for business. Explain the management of corporate capital structure and dividend policy Apply techniques to project financial statements for forecasting long-term financia Explain the role of short-term financial management, and the key strategies and te used to manage cash, marketable securities, accounts receivable and inventory.							
Note for the Examiner	will cover the questions of the	ne entire wo mark ns each	syllabus each.	s, having ter Rest of paper didate is req	qual marks. The first on conceptual question will be divided into tuired to attempt at less 3 hrs.	ns of one mark wo parts (SECT)	each or five (ONS) havir		
			SE	CTION- A			Hours		
]					Meaning; Scope; Inship of Finance w				
]		es; Debe			es and Limitations (; Right Issue, Ventur				
					Cost of Debt Capita ted Average Cost of C		al; 3		
		ch; Trad	litional		Assumptions; Net Income M Position; EBIT a				
					timation of Financia verage with Risk and F		nd 4		
]	Determinants of	than the state of Working Capital: Meaning of WC; Need of WC Management; terminants of WC; Operating Cycle; Estimation of WC; Working Capital Financing; de Credit, Bank finance, commercial paper, factoring, money market instruments.							
				SECTION	- B				
					sh Management; Mot erm Cash Forecasting		g Cash; 3		
	Receivable Ma Decisions; Cont				Policy Variable; Cr	edit Evaluation;	Credit 3		

UNIT-IX		Inventory Management: Meaning; Need to hold Inventory; Objective of Inventory Management; Inventory Investment Analysis; Inventory Control System.						
UNIT-X	Pay back Cost Rat	Capital Budgeting; Meaning; Basic Principles of Costs and Benefits; Investment Criteria; 4 Pay back Method; Accounting Rate of Return method; Net Present Value Method; Benefit-Cost Ratio; Internal Rate of Return; Capital Rationing; Introduction to Basic Techniques of Risk Analysis in Capital Budgeting.						
UNIT-XI	Tradition	Dividend Decisions: Meaning and Types of Dividend; Issues in Dividend Policy; Traditional Model; Walter Model; Gordon Model; Miller and Modigliani Model; Bonus Shares and Stock Splits.						
UNIT-XII	amalgan	Corporate Restructuring : Meaning and forms of corporate restructuring, merger and amalgamation takeover and acquisition, types or forms of mergers and takeovers, their benefits and motives.						
Text books		I.M.Pandey: Financial Management, Vikas Publishing House Prasanna Chandra: Financial Management, Tata McGraw-Hill Publishing M.Y.Khan and P.K.Jain: Financial Management-Text and Problems, McGraw-Hill						
Reference books		 James C.Van Horne: Financial Management, Pearson Education Richard A. Brearley and Stewart C.Myres: Principles of Corporate Finance, Mc Hill John J. Hampton: Financial Decision Making-Concepts, Problems and Cases, Problems and Cases, Problems and Cases, Problems and B.G.Satyaprasad: Financial Management, Himalaya Publi House. Lawrence J.Gitman: Principles of Management, Pearson Education. Jonathan Berk, Peter De Marzo, Ashok Thampy: Financial Management, Pearson Education. VyuptakeshSharan: Fundamentals of Financial Management, Pearson Education 	entice					
Course Assessment Methods		Assessment will consist of the following components 1. Mid-Term Assessment: One best of two minor tests (50% of Mid-term marks) Assignments (20% of Mid-term marks) Class Surprise Tests/ Quizzes/Presentations/Term paper (20% of Mid-term marks) Attendance. (10% of Mid-term marks) 2.End –Term Assessment: University Examination						

Title	LEGAL ASPECTS	Credits	04						
Code	MBA 511		Semester:-10 th		LTP	31 0			
Max.Marks	End term 50	Mid-ter	m 50	Practical	Elective	N			
Pre requisites									
Course Objectives	the compani governance j international 2. To introduce	the companies. In view of the changing facts of global governance corporate governance plays a vital role in the development of an economy both national and international level.							

	 3. To understand the fundamentals of patent law, know the requirements of patentabil learn how to read and interpret patent specifications, analyse patent office procedur and court cases and develop the basic understanding for drafting a pate specification. 4. To understand that immovable property is precious and transactions in connection we immovable property are to be authenticated by the government via registration 						
Course Outcomes	 Students will have a comprehensive understanding about the existing law on Consumer protection in India. Students will be conversant with major international instruments on consumer protection Students will be aware of the basic procedures for handling consumer dispute. Students will be able to appreciate the emerging questions and policy issues in consumer law for future research Student get an insight on Copyrights, Patents and Software patents which are instrumental for further advancements 						
THEORY							
Note for the Examiner	The examiner will set seven questions of equal marks. The first question ,which is comp will cover the entire syllabus, having ten conceptual questions of one mark each questions of two marks each. Rest of paper will be divided into two parts (SECTIONS) three questions each and candidate is required to attempt at least two questions from part. The duration of End Term exam will be 3 hrs.	or five having					
	SECTION- A						
UNIT-I	Company Law: Definition and nature of a company, kinds of companies, formation of a company, memorandum of association, articles of association, prospectus, membership in a company, shares, transfer and transmission of shares, meetings and proceedings.	12					
UNIT-II	Information Technology Act-2000: Objective of the act, documents excluded from the scope of the act, digital signatures, types of digital signatures in India, certifying authorities in India, regulation of certifying authorities, duties of subscribers, offences, appellate tribunal, penalties and adjudication	12					
	SECTION- B						
UNIT-II-	Patents Law: Patents Act 1970 as amended by the The Patents (Amendment) Act 2005, The Patents rules, 2003 as amended by The Patents (Amendment) Rules ,2006, Inventions not patentable, applications for patents, publication and examination of applications, grant of patents and rights conferred thereby, Patent Cooperation Treaty (PCT), Trade Related Intellectual Property Rights (TRIPS).	10					
	A brief introduction to trademarks, geographical indications, industrial Designs, trade secrets, copy rights – Definition and functions						
UNIT-IV	Consumer Protection Act 1986: Definitions under the act: complaint, consumer, defect, deficiency, unfair trade practice, consumer protection councils, redressal machinery under the act, district forum, state commission, national commission	10					
Text books	 K.C.Garg, V.K.Sareen, Mercantile Law, Kalyani Publishers, 14th ed.(2008). Mamoria CB, Mamoria, Gankar - Dynamics of Industrial Relations (Himalaya Publi 15th Ed.) 	cations,					
Reference books	3. Manish Arora, Guide to Patents Law, Universal Law Publishing Co., 4th ed. 4.Srivastava SC - Industrial Relations and Labour Laws (Vikas, 2000, 4th Ed.)						

Course	Assessment will consist of the following components							
Course	assessment will consist of the following components							
Assessment	. Mid-Term Assessment:							
Methods	One best of two minor tests (50% of Mid -term marks)							
	Assignments (20% of Mid-term marks)							
	Class Surprise Tests/ Quizzes/Presentations/Term paper (20% of Mid-term marks)							
	Attendance. (10% of Mid-term marks)							
	2.End –Term Assessment: University Examination)							

GROUP-A: FUNCTIONAL SUBJECTS 1& 2

Title MARK	ET RESEARC	H AND PROI	OUCT MANA	GEMENT	Credits		04		
Code			Semester:-9 ^t	h		LTP	3 1 0		
Max.Marks	End term 50	Mid term 50)	Practical -		Elective	Y		
Pre requisites	Marketing M	anagement							
Course Objective	research mark	The objective of the course is to equip the students with skills to conduct, evaluate and research marketing mix elements in particular. It also seeks to develop an understanding of the innovation process, method of analysis and evaluation used in the product development process.							
Course Outcomes	research 2. To dever problems 3. To learn variables 4. To apply 5. Use port product i	research designs. 2. To develop knowledge and skills to help in diagnosing and measuring marketing problems. 3. To learn the use of statistical tools to study the relationship between various marketing variables. 4. To apply the fundamental concepts of product and brand development and management Use portfolio analysis and the product life cycle to understand how a firm manages its product mix. 6. Apply an understanding of the product manager's role in product pricing, sales, and							
Note for the Examiner	will cover the questions of tw three question	The examiner will set seven questions of equal marks. The first question ,which is compulsory, will cover the entire syllabus, having ten conceptual questions of one mark each or five questions of two marks each. Rest of paper will be divided into two parts (SECTIONS) having three questions each and candidate is required to attempt at least two questions from each part. The duration of End Term exam will be 3 hrs.							
		SEC	CTION- A			-	HRS		
	An overview of marketing research-definition and scope; phases, changes due to technology including the internet; the marketing research industry, experimental research design,						5		
	marketing mix scaling and c	Application of marketing research and multivariate analysis techniques to 6 marketing mix elements viz. Factor analysis, cluster analysis, multidimensional scaling and conjoint analysis, product research, advertising research-setting advertising objectives, concept testing, audience profiling, copy research, media research.							
UNIT-III	Pricing resear	ch including	use of conjoi	nt analysis fo	or this purpose	e, package	5		

		h distribution research, research for market segmentation including the analysis for this purpose,	e use					
UNIT -IV	Scale validation-relationship of validity and reliability-their types and their 6 estimation, qualitative research tools including ethnography and laddering							
		SECTION- B						
UNIT-V	product classific potentia	Product management : in context of business strategy, the relationship of product management to the marketing concept, product mix concept, product classification, product planning: marketing plan, portfolio analysis, market potential and forecasting, product market strategies, product life cycle: stages and corresponding strategies, product evaluation,						
UNIT-VI	Product positioning: concept, product differentiation, positioning strategies, preference analysis, benefit segmentation, new products: the importance of innovation, new product categories, organization for product management, prototyping, new product development process, test marketing.							
UNIT-VII	Socio cultural meaning of brands: understanding the social psychology of brands, emotions and brands, symbolic meaning of brands, cultural meaning systems and brands,							
UNIT-VIII	Brand equity:introduction and definition, name value, model of brand equity synthesis, auditing and measuring brand equity managing brands, branding strategies for functional and symbolic brands, brand stretching and retrenching, branding services and managing the corporate brand, brands and advertising							
Text books		1.Malhotra, N. K., Marketing Research: An applied orientation,PearsonPrentice Hal New Jersey. 2.Ulrich, K.T. and S.D. Eppinger, Product Design and Development, McGraw Hill						
Reference books:		1. Churchill, Gillert, Iacobucci, Dawn, Marketing Research, Thomson 2. Elliott, R. and Percy, L., Strategic brand management, Oxford UniversityPress. 3. Kinnear, T.C. and Taylor J. R., MarketingResearch: an Applied Approach, McGra Hill Inc. 4. Trott, Paul, Innovation Management and New Product Management, Prentice Hall						
Course Assessment Methods: Assessment will consist of the following components 1. Mid-Term Assessment: One best of two minor tests (50% of Mid-term marks) Assignments (20% of Mid-term marks) Class Surprise Tests/ Quizzes/Presentations/Term paper (20% of Mid-term marks) Attendance. (10% of Mid-term marks) 2.End –Term Assessment: University Examination								

Title	SUPPLY C	SUPPLY CHAIN & LOGISTICS MANAGEMENT						
Code	le		Course type	Deptt. Elective	Semester:-9th		LTP	3 1
Max.Marks	End term 50	М	Mid term 50 Practical -				Elective	Y
Pre	Production	Production and Operation Management, Operations Research						

requisites	S						
Course Objectives To provide an understanding ad knowledge of individual processes of supply chain management, tools and techniques useful in implementing supply chain management and scope of sub-components of logistics management							
Course Outcome	s	 To understand the major functions, major business processes, performance metrics, and major decisions (strategic, tactical, and operational) in supply chain networks Demonstrate a clear understanding of the key concepts applied in logistics An understanding of the individual processes such as inventory management of supply chain management and their interrelationships within individual companies and across the supply chain Planning and implementing demand and supply side forecasting in a supply chain 					
THEORY	Y						
Note for Examine		will of questi three	xaminer will set seven questions of equal marks. The first question ,which is cover the entire syllabus, having ten conceptual questions of one mark ons of two marks each. Rest of paper will be divided into two parts (SECTI questions each and candidate is required to attempt at least two question the duration of End Term exam will be 3 hrs.	each or fiv ONS) havin			
			SECTION- A	Hours			
UNIT-I	CI M S0	hain I Ianagei CM; S	ction to Supply Chain Management: Scope & Importance of Supply Management; Key drivers Of the SCM; Features of Supply Chain ment; Supply Chain Network – 1st Tier, 2nd Tier; Network decisions in Suppliers and Customers; Customer Service Dimension (Seven "R" es, Service after sale, Customer delight)	11			
a tı v lo e		Role of Logistics in Supply Chains: Components of Logistics Management; Scope and role of Transportation, Traffic & transportation; Relationship between transportation and other business functions, Transport Economics: Distance – volume-density, Freight Cost, Handling, Liability, market factors; Third party logistics (3 PL) & fourth party logistics service provider (4 PL), Logistics equipment; Reverse Logistics, Government rule & regulations related to Logistics; Purchase Cycle, Make or Buy, Price analysis, Negotiations.					
			SECTION- B				
UNIT- III	Inventory Management: Inventory Control, Planning & Managing Inventories; Warehouse Management (Receipt, issue, storage and preservation, stock verification, In bound and out bound distribution operations); Order Management; Competitive advantage through logistics and supply chain management; Responsive Supply Chain; Supply chain process integration, performance measurement; Value Chain, Value System and Supply Chain.						
UNIT- IV	forec plans Du I	Planning demand and supply:Planning& Sourcing in Supply Chain, Demand forecasting, Type and Time horizon of forecast and category of forecasting, aggregate planning; Financial issues in Supply Chain - Macro and micro view, Asset management, Du Pont Model, Supply Chain Costing; Decision environment in SCM; Global supply chain perspectives - New business models, role of IT in SCM.					
Text books		 HaraldDyckhoff et al, Ed.: Supply Chain Management and Reverse Springer (India). JayashreeDubey and M.L. Saikumar Ed.: Supply Chain Management, IIPE and New Century Publication. 					

Reference books	 Sarika Kulkarni, Ashok Sharma: Supply Chain Management-Creating Linkages for Faster Business Turnaround, McGraw Hill. RP Mohanty: Supply Chain Management-Theories and Practice, Biztantra. Robert B. Handfield, Ernest L. Nicholas, Jr.: Introduction to Supply Chain Management, Pearson Education. Ronald H. Ballou, Samir K. Srivastava: Business Logistics/Supply Chain Management, Pearson Education. John Mentzer: Supply Chain Management, Response Books. Janat Shah: Supply Chain Management, Pearson Publications. N. Chandrasekaran: Supply Chain Management - Process, System and Practice, Oxford Press.
Course Assessment Methods	Assessment will consist of the following components 1. Mid-Term Assessment: One best of two minor tests (50% of Mid-term marks) Assignments (20% of Mid-term marks) Class Surprise Tests/ Quizzes/Presentations/Term paper (20% of Mid-term marks) Attendance. (10% of Mid-term marks) 2.End –Term Assessment: University Examination

Title		SALES AND DISTRIBUTION MANAGEMENT					ts	04
Code		Course Type: Elective		Semester:-9th		LTP		31 0
Max.Marks		End term 50	nd term 50 Mid term		rm 50 Practical -		ve	Y
Pre requisite	Pre requisites Marketing Management							
Course Obje	ective	The objective of this course is to familiarize the students with fundamentals of sales and distribution management and to enable them to effectively manage the sales and distribution process.						
Course Outcomes		 To be able to understand & appreciate the diverse variables affecting the sales & distribution function. To analyse the roles and responsibilities of sales and marketing manager To be able to develop and implement sales and distribution plans and strategies. To be able to link distribution with other marketing variables. To apply concepts related to improving sales team performance. 						
THEORY								
Note for the Examiner		The examiner will set seven questions of equal marks. The first question ,which is compulsory, will cover the entire syllabus, having ten conceptual questions of one mark each or five questions of two marks each. Rest of paper will be divided into two parts (SECTIONS) having three questions each and candidate is required to attempt at least two questions from each part. The duration of End Term exam will be 3 hrs.						
SECTION- A						HRS		
UNIT-I Selling and Marketing concept – theories of selling, Classification of salespeople – 6 Characteristics of salespeople – Personal selling: Selling Process- Prospecting: Steps – Preapproach: Objectives, Sources – The Approach: objectives, methods – The presentation: strategies, developing, situational selling – Handling objections:								

	Attitude, strategy, Methods, Types of objections, Specific situations – Closing: tactics methods – follow up.						
UNIT-II	Sales organization: Types sales potential – Determining the sales force profile –5 Product market analysis – Determining the sales force size – Territory management: Accounts and sales potential salesperson workload, designing territories, reasons and procedures and assigning to sales persons-routing –time management.						
UNIT-III	Sales force management: Recruitment and Selection: Job analysis, Manpower 6 Planning, Job specification and Job description, sources of sales recruits, Problems in screening and selecting the applicants – Sales targets: Quantitative & Quantitative methods.						
UNIT-IV	Planning sales force training methods, content, and execution, training the dealer salespersons and evaluating the training programmes – Leadership and supervision – Compensation: Objectives, remuneration methods, incentives – Motivating the sales force – Sales meetings and Sales Contents.						
SECTION	- B						
UNIT-IV	Evaluation and control: Performance Appraisal – Sales budget – Sales Quotes – Systems 7 approach – Sales Management audit – Sales analysis: sales related, cost related, activity related, activity related – Determinants of salesperson performance.						
UNIT-V	Distribution Objective/Strategy - Interface between Salesforce and Channel, Channel 5 Design, Implementing Channel Design, Managing the Channel Members, Channel Power and Conflict Channel Evaluation;						
UNIT-VI	Distribution planning, costs and control- Functions of intermediaries (wholesaler 6 & retailers), Selection and motivation of intermediaries, Need, criterion and establishing objectives for intermediaries;						
UNIT- VII	Control issues- Major cost centers in distribution, Establishing standards for 5 control, Controlling channel members and tools for control						
Text books	1. Sales and Distribution Management by Tapan Panda and Sunil Sahadev. Latest edition Oxford University Press 2. Sales & Distribution Management by Krishna K Harvadkar&Cavale, McGraw Hill						
Reference books:	Cundiff, Still & Govoni: Sales Management – Decision, Strategies & Cases – PHI. Johnson, Kurtz & Scheuing: Sales Management Concept, Practices & Cases – McGraw Hill. Laucaster & Jobber: Selling & Sales Management - Macmillan (India).						
Course Assessmen Methods	Assessment will consist of the following components 1. Mid-Term Assessment: One best of two minor tests (50% of Mid-term marks) Assignments (20% of Mid-term marks) Class Surprise Tests/ Quizzes/Presentations/Term paper (20% of Mid-term marks) Attendance. (10% of Mid-term marks) 2.End –Term Assessment: University Examination						

Title	INTERNATIONAL HU	Credits	04					
Code			Semes	ter:-9 th	LTP	3 1 0		
Max.Marks	End term 50	Mid ter	m 50	Practical -	Elective	Y		
Pre requisites	Organizational behaviour, Human Resource Management							

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Course Objectives	The objective of the course is to acquaint the students with the influence of cross-cultural issues on organisations, and examines factors involved in selecting and managing an international workforce. The course seeks to look at HRM in a broader, comparative and international perspective to deal with complex issues and manifold risks					
Course Outcomes 1. To develop an understanding of the factors underlying globalisation of human resonangement. 2. Identify and Understand issues and practices pertaining to the major HRM fund within the context of a multinational environment. 3. Describe, Recognize and value cultural differences 4. Develop successful programs for international assignees (short term/long term). 5. Evaluate "best practices" across cultures						
Note for the Examiner The examiner will set seven questions of equal marks. The first question ,which is composition will cover the entire syllabus, having ten conceptual questions of one mark each questions of two marks each. Rest of paper will be divided into two parts (SECTIONS) three questions each and candidate is required to attempt at least two questions from part. The duration of End Term exam will be 3 hrs.						
	SECTION- A					
UNIT-I	International HRM: Concept, Defining International HRM, Differences between 5 domestic and international HRM, Variables moderating the difference between domestic and International HRM, Developments leading to global HRM, Issues in global organizations, Management of external environment, Relevance and importance of IHRM.					
UNIT-II	Sustaining International Business Operations: Approaches to staffing-5 ethnocentric, polycentric, geocentric, regiocentric, reasons and types of international assignments, role of expatriates, role of non expatriates.					
UNIT-III	Recruiting and selecting staff for international assignments: issues in staff 6 selection, reasons for expatriate failure, factors moderating performance, selection criteria. Training and development: Role of expatriate training, effective pre-departure training programmes, effectiveness of pre departure training, developing staff through international assignments.					
UNIT-IV	Compensation: Objectives of International compensation, key components of 6 international compensation programme, approaches to international compensation. Re-entry and Career Issues: Repatriation Process, individual reactions to re-entry, Multinational responses, designing repatriation programme.					
	SECTION- B					
UNIT-V	HRM in host country context: standardisation and adaptation of work practices, 6 retaining, developing and retrenching staff. Industrial Relations: Key issues in international Industrial relations, trade unions and international industrial relations, response of trade unions to multinationals.					
UNIT-VI	Performance Management: Multinational performance management, performance 5 management of international employees, Performance appraisal of international employees, Appraisal of HCNs.					
UNIT-VII						

VIII	IHRM Trends and future challenges: International business ethics and HRM, 6 research issues and theoretical developments in international HRM. GHRM in Select Countries: America, Japan, China, Korea, Africa, Europe, India.	
Text books	 K.<u>Aswathappa</u>, D. Sadhna: International Human Resource Management, Tata Mcgraw-Hill. Monir H. Tayeb: International Human Resource Management, Oxford University Press. 	
Chris Brewster: International Human Resource Management, Orient Longman 2.		
Course Assessment Methods	Assessment will consist of the following components 1. Mid-Term Assessment: One best of two minor tests (50% of Mid-term marks) Assignments (20% of Mid-term marks) Class Surprise Tests/ Quizzes/Presentations/Term paper (20% of Mid-term marks) Attendance. (10% of Mid-term marks) 2.End –Term Assessment: University Examination)	

Title	ENTERPRISE RESOURCE PLA	NNING			Credits	04
Code			Semeste	er:-9 th	LTP	3 1 0
Max.Marks	End term 50 Mid term 50 Practical -		Elective	Y		
Pre requisites						
Course Objective	The objective of this course is to acquaint the students with the knowledge of computerized productions, Materials distribution system of a manufacturing organization and impart knowledge to the students in the conceptual and operational aspects of ERP					
Course Outcomes	 To enable the students to make basic use of enterprise software and its role in integrating business functions. To analyze the strategic options for ERP identification and adoption To design the ERP implementation strategies. To create reengineered business processes for ERP implementation 					
THEORY						
Note for the Examiner	The examiner will set seven questions of equal marks. The first question ,which is compulsory, will cover the entire syllabus, having ten conceptual questions of one mark each or five questions of two marks each. Rest of paper will be divided into two parts (SECTIONS) having three questions each and candidate is required to attempt at least two questions from each part. The duration of End Term exam will be 3 hrs.					
	SECTION- A					

UNIT-I	Introduction: overview to ERP, Typical Business Process Workflow, Fundamentals, 11 Functionalities, Benefits, Modern Business Concepts, E-Commerce, Advance Planning and Scheduling, Business Analytics, Service oriented architecture.			
UNIT-II	Issues, Concerns and Purchasing: Disadvantages of ERP Solutions, users, developers, 11 customers of ERP, purchasing or outsourcing, planning, purchasing and selection of ERP, Managing implementation partners; ERP strategy options and risk mitigation.			
	SECTION- B			
UNIT-III	UNIT-III Implementation of ERP: Implementation plan of ERP, Methods and tools, business process mapping, gap analysis, risks and dependencies, project timeline plan, project organization plan, structure and coding, data migration and historical record, prototype testing, user training program, knowledge management, disaster recovery plan, RDBMS, data communication system, hardware requirements, sample system architecture.			
UNIT-IV	ERP Project Success and failure: Introduction to ERP Project success and failure with 11 case studies, Current and future ERP market, key players and market shares, market issues; Continuous business improvement in ERP.			
Text books	 A. Pandey: Enterprise Resource Planning, Variety Publishers. Vinod KumarGarg and R.K. Venkita Krishnan: Enterprise Resource Planning: Concepts and Practice, Prentice Hall India. 			
Reference books:	 Mary Sumner: Enterprise Resource Planning, Pearson Education. A. Leon: Enterprise Resource Planning, Tata McGraw Hill. M.E. Wagner: Concepts in Enterprise Resource Planning, Cengage Learning. S. Sadagopan: ERP – A Management Perspective, Tata McGraw Hill. V.K. Garg and R.K. Venkita Krishnan: ERPWARE and ERP Implementation Framework, Prentice Hall India. 			
Course Assessment Methods	Assessment will consist of the following components 1. Mid-Term Assessment: One best of two minor tests (50% of Mid-term marks) Assignments (20% of Mid-term marks) Class Surprise Tests/ Quizzes/Presentations/Term paper (20% of Mid-term marks) Attendance. (10% of Mid-term marks) 2. End –Term Assessment: University Examination)			

GROUP-B: FUNCTIONAL SUBJECTS 3 & 4

Title	SERVICES OPERAT	SERVICES OPERATIONS MANAGEMENT					
Code			Semester:- 9 th	LTP	31 0		
Max.Marks	End term 50	Mid term 50	Practical -	Elective	Y		
Pre requisites	Production and Operat	Production and Operation Management; operations research					
Course Objective	This course provides a careful study of service operations from the point of view of designing and managing a system that is efficient and effective in the "realization" of the service deemed by its customer. To course seeks to developing a clear understanding of service operations, and service systems, and how to improve them, and/or to build them better.						
Course	1. To critically analyze	. To critically analyze the types of services operations and operational parameters that are					

Outcomes imperative for organizational success. To evaluate and compare the strategies for improving the services operations. To analyse the important aspects of service systems that control the provision of capacity to meet customer requirements To implement statistical methods and management techniques to monitor control, and improve the service operations.					
THEORY					
Note for the Examiner	The examiner will set seven questions of equal marks. The first question ,which compulsory, will cover the entire syllabus, having ten conceptual questions of one mark eac or five questions of two marks each. Rest of paper will be divided into two part (SECTIONS) having three questions each and candidate is required to attempt at least two questions from each part. The duration of End Term exam will be 3 hrs.				
	SECTION- A HRS				
UNIT-I	Introduction: Services – Importance, role in economy, service sector – growth; Nature of services -Service classification, Service Package, distinctive characteristics, open-systems view; Service Strategy – Strategic service vision, competitive environment, generic strategies, winning customers; Role of information technology; stages in service firm competitiveness; Internet strategies - Environmental strategies.				
UNIT-II	Service Design: New Service Development – Design elements – Service Blueprinting - process structure – generic approaches – Value to customer; Retail design strategies – store size – Network configuration; Managing Service Experience – experience economy, key dimensions; Vehicle Routing and Scheduling.				
UNIT-III	Service Quality: Service Quality- Dimensions, Service Quality Gap Model; Measuring Service Quality –SERVQUAL - Walk-through Audit; Quality service by design - Service Recovery - Service Guarantees; Service Encounter – triad, creating service orientation, service profit chain; Front-office Back-office Interface – service decoupling.				
	SECTION- B				
UNIT-IV Service Facility: Services capes – behaviour - environmental dimensions – 11 framework; Facility design – nature, objectives, process analysis – process flow diagram, process steps, simulation; Service facility layout; Service Facility Location – considerations, facility location techniques – metropolitan metric, Euclidean, centre of gravity, retail outlet location, location set covering problem					
UNIT-V	Managing Capacity And Demand: Managing Demand – strategies; Managing capacity – basic strategies, supply management tactics, operations planning and control; Yield management; Inventory Management in Services – Retail Discounting Model, Newsvendor Model; Managing Waiting Lines – Queuing systems, psychology of waiting; Managing for growth- expansion strategies, franchising, globalization.				
Text books	 James A. Fitzsimmons, Service Management – Operations, Strategy, Informati Technology, Tata McGraw-Hill – 7th Edition 2013. Richard Metters, Kathryn King-Metters, Madeleine Pullman, Steve Walton Successi Service Operations Management, South-Western, Cengage Learning, 2nd Edition ,20 				
Reference books	 CengizHaksever, Barry Render, Roberta S. Russell, Rebert G. Murdick, Servi Management and Operations, Pearson Education – Second Edition. Robert Johnston, Graham Clark, Service Operations Management, Pearson Education 2nd Edition, 2005. 				

	 Bill Hollins and Sadie Shinkins, Managing Service Operations, Sage, 2006 J.Nevan Wright and Peter Race, The management of service operations, Cengage, 2nd Edition, 2004
Course Assessment Methods	Assessment will consist of the following components 1. Mid-Term Assessment: One best of two minor tests (50% of Mid -term marks) Assignments (20% of Mid-term marks) Class Surprise Tests/ Quizzes/Presentations/Term paper (20% of Mid-term marks) Attendance. (10% of Mid-term marks) 2.End –Term Assessment: University Examination)

Title	TECHNOLOGY MANAGEMENT Credits					04	
Code		Seme	ester:-9 th	LTP			3 1 0
Max.Marks	End term 50	•	Mid term 50		Elective	Y	
Pre requisites	-						
THEORY	•					Time	
Note for the Examiner	compulsory, will cove or five questions of tw	er the e vo mar s each	entire syllabuks each. Res and candida	us, t o	of equal marks. The first quality having ten conceptual questions f paper will be divided into two particles is required to attempt at least twill be 3 hrs.	of one man	rk each
	;	SECT	ION- A			HRS	
	Technology and enviro analysis, environmental, for analysis - steps in	Technology management Concepts - Scope, components, and overview. Gechnology and environment, Technology and society, Technology Impact nalysis, environmental, social, legal, political aspects, methods or techniques or analysis - steps involved. Technology policy strategy: Science and echnology Policy of India, implications to industry.					
	methods - trend Anal	Technology forecasting and Selection - Forecasting need, methodology and nethods - trend Analysis, Analogy, Delphi, Soft System Methodology, Mathematical Models, Simulation, and System Dynamics.					
	Technology Choice and Evaluation : Methods of analyzing alternate echnologies, Techno-economic feasibility studies, Need for multi-criteria considerations such as, social, environmental, and political, Analytic hierarchy method, Fuzzy multi-criteria decision making, and other methods.						
	Fechnology Transfer and Acquisition - Import regulations, Implications of Uruguay Round", and WTO, Bargaining process, Transfer option, MOU - Fechnology Adoption and Productivity, Organizational redesign and rengineering, Technology productivity.						
			SECTIO	N-	В	_	
		tion st	trategies fo	r	oresent status in India, Need for acquired technology, Creating hnology Audit.		

UNIT-VI	Technological Excellence - Technology and its importance in global 6 manufacturing, Manufacturing innovations: Productivity & Incremental Innovation. Crucial issues of Flexible Technology- Strategic Evaluation of Technological Investments-Technology Development.					
UNIT-VII	Technological environment in India - technology policy, role of various governmentorganisations such as DST, CSIR in development and dissemination of technology,technology development at organisation level, role of information system, quality systems and market feedback.					
UNIT-VIII	Development Cycle - Integration of Design & Manufacturing- Management of Technological Innovation-Technology Fusion & the new R&D Core competencies in Technology and its Commercialization, Building Organization Culture, Cooperation between Government and Industry, Coping with continuous change, The structure of the Japanese Innovation System.					
Text books	1. P N Rastogi, Management Of Technology And Innovation: Competing Through Technological Excellence 2nd Edition, Response Books 2. Alan L. Porter, Scott W. Cunningham, Jerry Banks, A. Thomas Roper, Thomas W. Mason, Frederick A. Rossini, Forecasting and Management of Technology, 2nd Edition, Wiley 3. Urdhwarashe, Six Sigma for Business Excellence: Approach Tools and Applications, Pearson Education.					
Reference bo	1. Carl M. Chang, C. M. Chang, Achieving Service Excellence: Maximizing Enterprise Performance Through Innovation and Technology, Business Expert Press 2. Frankel Ernst G. Professor, In Pursuit of Technological Excellence: Engineering Leadership, Technological Change, and Economic Development, Praeger Frederick A. Fredruck Betz, Managing Technology, Prentice Hall. 3. MaukDudgson, Technology Strategy and the Firm, Longman Publications. 4 Sharif Nawaz, Management of Technology Transfer and Technology, APCTT Bangalore. 5. UN-ESCAP: Technology for Development, ESCAP Secretaria					
Course Assessment Methods	Assessment will consist of the following components 1. Mid-Term Assessment: One best of two minor tests (50% of Mid-term marks) Assignments (20% of Mid-term marks) Class Surprise Tests/ Quizzes/Presentations/Term paper (20% of Mid-term marks) Attendance. (10% of Mid-term marks) 2.End –Term Assessment: University Examination)					

Title	PURCHASE AND MATERIALS MANAGEMENT				Credits	s	04
Code			Semester:-9th		LTP		31 0
Max.Marks	End term 50	Mid ter	m 50	Practical -	Electiv	e	Y
Pre requisites							
THEORY							
Note for Examiner The examiner will set seven questions of equal marks. The first question ,which is compulsory, will cover the entire syllabus, having ten conceptual questions of one mark each or five questions of two marks each. Rest of paper will be divided into two parts (SECTIONS) having three questions each and candidate is required to attempt at least two questions from each part. The duration of End Term exam will be 3 hrs.							
	SECTION- A HRS						

	T	
UNIT-I	Introduction to Purchasing Management - Responsibilities of Purchase Department - Purchase Cycle - Purchase Order - Relevant positions of State / Central Sales Tax Act, Central Excise Act and Import/Export Procedures, Role of Purchasing Manager.	
UNIT-II	Creative Purchasing –Importance, Goals of purchasing, Negotiation, Purchase Budget, Bill Market Scheme. Purchasing Under Uncertainty – Classification of Decision problems, Uncertainty Situations, Principles of Rationality, Principle of Mini-max, Principle of Maxi-max, Principle of Optimum, Principle of Regret	
UNIT-III	Purchase systems – Introduction - Pre purchase systems, Ordering System, Post Purchase system, Special purchasing systems. Purchasing under fluctuating Prices, Conservative & Hand Sight Policy, Determining the optimal buying strategy.	
UNIT-VI	International Purchasing-Procedures and Documentation; Purchasing of Capital Equipment – Appraisal Methods, Evaluating Suppliers Efficiency, Stores Layout, Classification and Codification; Legal Aspects of Purchasing, Public Purchasing and Tendering.	
	SECTION- B	
UNIT-V	Materials Management Introduction - Evolution, Scope and Objectives - Interface with other functions. Scope of Profitability through MM - Primary and secondary objectives of MM.	
UNIT-VI	Forecasting - Methods of forecasting - Moving Average Method, Regression Analysis, Exponential Smoothing Method Inventory - Types of Inventory - Need of Inventory - Costs associated with Inventory - Basic EOQ Model - EOQ with discounts - Classification of material - ABC Analysis - VED, FSN, GOLF, SOS.	
UNIT-VII	Material Logistics – Warehousing Management, Material handling, Traffic and Transportation, Disposal of Scrap, Surplus and Obsolete Materials; Inventory Control of Spare Parts, Materials Information System – Advantages over conventional planning (Order Point Material Requirement Planning Method)- Master Production Schedule – Bill of Materials – Material flow in MRP.	
UNIT-VIII	Stores Management & Surplus, Obsolete and Scrap Management: Materials identification: classifying materials - Codification of materials - Standardization: Simplification and variety reduction of materials - Stores Management: Different types of stores - Stores issues and receipts: Procedures, forms - Policies in stores transactions: Stores accounting, Stores organization, Materials safety and security - Store Layout and Design - Introduction to Material Handling Equipments - General Duties and Responsibilities of Stores Management - Stores Productivity.	
Text books	Menon, K. S., Purchasing Management, Macmillan Menon, K. S., Stores Management, Macmillan Gopalakrishnan, Sundaresan.M, Materials Management – An Integrated A Datta.A.K, Materials Management – Procedures, Text & Cases, PHI	pporach, PHI.
Reference books	 Ansari A and Modarress B. JIT Purchasing. New York, Free Press, 1990. Baily P etc. Purchasing Principles and Management. London, Pitman, 1990. Burt, David N. Proactive Procurement. Englewood Cliffs, New Jersey, Pre Inc., 1994. Dobler, D W. etc. Purchasing and Materials Management, New York, McControl 	4. ntice Hall

	1990.5. Datta, A. K, Materials Management: Procedures, Text & Cases, PHI
Course	Assessment will consist of the following components
Assessment	1. Mid-Term Assessment:
Methods	One best of two minor tests (50% of Mid -term marks) Assignments (20% of Mid-term marks) Class Surprise Tests/ Quizzes/Presentations/Term paper (20% of Mid-term marks)
	Attendance. (10% of Mid-term marks) 2.End –Term Assessment: University Examination)

Title	ADVERTISING AND CONSUMER Credits BEHAVIOUR				04			
Code				Seme	ster:-9th	LTP	3 1 0	
Max.Marks		End term 50	Mid term	50	Practical -	Elective	Y	
Pre requisite	es							
THEORY								
Note for the	Examin	compulso mark each two parts	ry, will con n or five qu (SECTION	ver the uestions NS) ha	entire syllabus, has of two marks ea ving three question	al marks. The first quest aving ten conceptual que ch. Rest of paper will be ns each and candidate in the duration of End Term	estions of one e divided into s required to	
		•		SECT	TION- A			
UNIT-I	marketii	ng process, lega	al, ethical ar	nd socia	al aspects of advert	ole of advertising in the ising, the advertising plan on of target audience.		
UNIT-II	Developing advertising programmes -message, headlines, copy, logo, illustration appeal, layout, campaign planning; media planning, budgeting; evaluation -opinion and attitude tests, measurement of advertising effectiveness, advertising organisation—selection, compensation and appraisal of an agency, role of creativity in advertising.							
	I			SECT	TION- B			
UNIT-III	Consumer behaviour and marketing strategy; consumer involvement and decision making, information search process, evaluative criteria and decision rules, consumer motivation, information processing and consumer perception, Indian consumer market-economic, social, cultural and psychographic aspects.						11	
UNIT-IV	buying social of leaders	Consumer attitudes and attitude change, influence of personality and self concept on buying behaviour, psychographics and lifestyle, influence of culture, subculture and social class, reference group influence, diffusion of innovation and opinion leadership, family decision making, industrial buying behaviour, consumer behaviour audit.						
Text books	1.Batra Delhi.	1.Batra R., Myers, J. G. and Aaker D. A., Advertising Management Prentice Hall of India, New						

	2.Schiffman, L. G. and Kanuk, L. L. Consumer Behavior, Prentice Hall of India, New Delhi.
Reference books	1.Arens W.A., Contemporary AdvertisingTata McGraw Hill, New Delhi. 2.Belch, G.E. and Belch M. A., Introduction to Advertising and PromotionIrwin Publishers, Chicago (USA). 3.Laudon, D.L. &Bitta, A. J. D. Consumer Behavior,Tata McGraw HillNew Delhi. 4.Sandage, C.H., Fryberger V. and Rotzoll K., Advertising, AITBS, Delhi.
Course Assessment Methods	Assessment will consist of the following components 1. Mid-Term Assessment: One best of two minor tests (50% of Mid -term marks) Assignments (20% of Mid-term marks) Class Surprise Tests/ Quizzes/Presentations/Term paper (20% of Mid-term marks) Attendance. (10% of Mid-term marks) 2.End –Term Assessment: University Examination)

Title		MANUFACTURING SYSTEMS MANAGEMENT Cr					its	04
Code			Semester:-9 th			LTF	•	3 1 0
Max.Marks	Max.Marks End term 50 Mid term 50 Practical -				Electi	ive	Y	
Pre requisites			'			'		l
THEORY								
Note for Examiner	the	The examiner will set compulsory, will cover each or five questions (SECTIONS) having to two questions from each	the entire sy of two marks hree question	labus, h each. F s each a	aving ten conceptua lest of paper will b nd candidate is req	al questions be divided in quired to atte	of on to tw	e marl o part
		SEC	TION- A			I	Hrs	
UNIT-I		duction: The challenged odologies, Cellular Man		irement	s of Manufacturin	g, Various 5	5	
UNIT-II		Cell Formation - Early methods: Production Flow Analysis, Rank Order 6 Clustering, Similarity based methods.						
UNIT-III	Cell formation algorithms: P median formulation, Assignment formulation, 5 ZODIAC algorithm, Metaheuristics, Considering sequence, Considering workload.							
UNIT-IV	Minimizing intercell movement: Remainder cells, Machine duplication, Part 6 subcontracting; Product based cell formation.						5	

SECTION- B

UNIT-V	Operator Allocation: Rabbit chasing, Dedicating operators, Static operator 5 allocation problems, Network Models.
UNIT-VI	Cell scheduling and sequencing: Part Family sequencing, Dispatching rules; Cell 6 layout.
UNIT-VII	Just In Time Manufacturing: Concepts and definitions Implementation issues',6 Kanban, CONWIP and Kanban
UNIT-VIII	Synchronous Manufacturing: The Goal, Principles of SM, TOC and LP,6 Scheduling. Flexible Manufacturing Systems: Concepts, FMS loading problems, FMS scheduling problems.
Text books & Reference books:	 Askin R G and Strandridge C R (1993), Modelling and Analysis of Manufacturing. Askin R G and Goldberg J B (2002), Design and Analysis of Lean Production Systems, John Wiley and Sons.
Course Assessment Methods	Assessment will consist of the following components 1. Mid-Term Assessment: One best of two minor tests (50% of Mid -term marks) Assignments (20% of Mid-term marks) Class Surprise Tests/ Quizzes/Presentations/Term paper (20% of Mid-term marks) Attendance. (10% of Mid-term marks) 2.End –Term Assessment: University Examination)

Title	WORKSHOP ON TECHNIQUES	MU	LTIV	ARIATE S	TATISTICAL	Credits	01
Code	MBA 507		Semo	ester:-9 th		LTP	002
Max.Marks	End term -	Mid t	erm	Practical – 50)	Elective	N
Pre requisites							

Practical -

SECTION- A

Introduction- Classification of statistical techniques, Classification of multivariate techniques, Application of multivariate techniques in research in different functional areas of business. Specific Techniques of MVA – MANOVA , Discriminant Analysis

SECTION- B

Specific Techniques of MVA contd. -Factor Analysis, Cluster Analysis, Multidimensional Scaling, Conjoint Analysis. Multiple Regression

Text books & Reference books:

- 1.Carver Robert H. and Jane Gradwohl Nash, Doing Data Analysis with SPSS 10.0, Duxbury Thomson Scanning.
- 2. Cooper, D. R. and Schindler, P. S., Business Research Methods, Tata McGraw Hill Publishing Co.

- 3. Hair, Josepth, F., Jr. M. Rolph E. Anderson, Ronald L. Tatham, William C. Black . Multivariate Data Analysis, Pearson Education.
- 4. Johnson, Richard A. and Dean W. Wichern (2003). Applied Multivariate Statistical Analysis, . Prentice Hall of India Ltd., Eastern Economy Edition.
- 5. Malhotra, N. and Dash, S., Marketing Research: An Applied Orientation, Pearson Education.
- 6. Sharma, Subhas . Applied Multivariate Techniques, John Wiley and Sons Ltd.

Title	WORKSHOP ON BUSINESS COMMUNICATION & SOFT Credits 01						
Code	MBA 508		Seme	ester:-9 th	LTP	002	
Max.Marks	End term -	Mid ter		d term Practical 50		N	
Pre requisites	-						

Practical

SECTION- A

Meaning and importance of communication in business: Process, types of communication: formal and informal and their characteristics, essentials of effective business communication, Channels of communication, their effectiveness, limitations, Barriers of communication, approaches to effective Communication, Negotiation skills and participating decision making in Management Presentations, Book Reviews and Summaries

Time Management and Goal Setting: Identification of Time Wasters, Prioritisation of Work (ABC Method), Goal Setting.

Listening Skills: Listening to Specific Information, Identifying Main Issues, Seeing Beyond the Surface

Team Assignment: Effects of Competition on Individual and Group Behaviour, Competitive and Collaborative Team Behaviour; Team/ Group Dynamics, Team Assignment

SECTION-B

Stress Management: Symptoms of Stress, Coping Approaches.

Report Writing: Process, Structure and Layout. Principles of clear writing, often misused words, applications and requests, positive and negative responses to requests, routine messages, memos, organizing meetings, preparation of agenda and minutes, business etiquette, telephone etiquette, e-mail etiquette.

Interpersonal Skills: Negotiations, social skills, assertive skills, cross-cultural communications.

Leadership Skills: Concepts of leadership, leadership styles, insights from great leaders.

Text books & Reference books:

- 1. Lesikar, Petit &Lesikar's: Basic Business Communication, Tata McGraw Hill
- 2. Poe &Fruchling: Basic Communication, AITBS.
- 3. Taylor: English Conversion Practice, Tata McGraw Hill.
- 4. Diwan&Aggarwal: Business Communication, Excel Books.
- 5. Baugh, Frayer& Thomas: How to write first class Business Correspondence, Viva Books.

SYLLABUS OF B.E. (Chemical)-MBA 2020-2025 FIFTH YEAR

10th SEMESTER

Title	STRATEGIC MANAGEMENT Cr							
Code	MBA 510	Semester:- 10 th		LTP	31 0			
Max.Marks	End term 50	Mid term 50	Practical 	Elective	N			
Pre requisites	Marketing Management; Business Environment							
THEORY								
Note for the Examiner	The examiner will set seven questions of equal marks. The fir will cover the entire syllabus, having ten conceptual questions of two marks each. Rest of paper will be divided in three questions each and candidate is required to attempt part. The duration of End Term exam will be 3 hrs.	stions to two	of one marl parts (SEC)	k each or ΓΙΟΝS) has	five ving			
	SECTION- A							
UNIT-I	Basic Concepts of Strategic Management and Business strategic management - strategic management process - levels of board - role and functions of corporate board and top management.	of strat	egy - constit	tution				
UNIT-II	Environmental Scanning - External and internal analysis – SWOT - industry analysis - 6 Porter's five force model and strategies groups- resource based view and value chain analysis - core competency and competitive advantage - VRIO model							
UNIT-III	Strategy Formulation: SWOT analysis, Strategies Factor Ana TOWS matrix, Corporate Strategy: Stability, Profit, One Diversification, Cost leadership, Differentiation, Focus, Life cycles.	Growth	, Concentr					
UNIT-IV	Functional Strategy: Marketing, Financial, Operation, Human development, Risk culture, Strategy in global environment.	Functional Strategy: Marketing, Financial, Operation, Human resource, Research and 5 development, Risk culture, Strategy in global environment.						
	SECTION- B							
UNIT-V	Building and Restructuring Business: Start up route, Acquisition, Joint venture, 6 Merger, Takeover, Restructuring, Retrenchment, Divestment, Harvest, Liquidation, Turnaround strategy							
UNIT-VI	Strategic Choice: Concept, Process, BCG Matrix, GE matrix, Corporate parenting, 5 Process of strategic choice, Balance scorecard.							
UNIT-VII	Implementation of Strategy: Designing of structure, Designing of effective control 5 system, ISO 9000, Strategic system, Strategic change process,McKinsey 7S framework							
UNIT-VIII	Strategic Evaluation and Control: Techniques of strategic evaluation and control, 7 Strategic issues in technology management, Entrepreneurial ventures, Issues in non-profit organization issues, Issues in evaluation and control, Popular strategies of non-profit organizations.							
Text books	1. J. David Hunger, Thomas L. Wheelen and tom V	Vheele	n: Essential	s of Stra	itegio			

	Management, Prentice Hall India 2. Charles W.L. Hill and Gareth P. Jones: Strategic Management, Dreamtech Press.
Reference books	 Michael Hitt and Robert E. Hoskisson: Strategic Management – Competitiveness and Globalization, South Western Thomson. Glueck: Business Policy and Strategic Management, Tata McGraw Hill. Thomas: Strategic Management, Harper and Row. Jeyarathnam: Strategic Management, Himalaya Publishing House. Sharplin: Strategic Management, Tata McGraw Hill. Francis: Strategic Management, Himalaya Publishing House. Colin White: Strategic Management, Palgrave Macmilan. M.E. Porter: Competitive Advantage, The Free Press.
Course Assessment Methods	Assessment will consist of the following components 1. Mid-Term Assessment: One best of two minor tests (50% of Mid-term marks) Assignments (20% of Mid-term marks) Class Surprise Tests/ Quizzes/Presentations/Term paper (20% of Mid-term marks) Attendance. (10% of Mid-term marks) 2.End –Term Assessment: University Examination)

GROUP-C: FUNCTIONAL SUBJECTS 5& 6

Title	STRAT	EGIC	C COST M	IANAGEMENT			Credits	04
Code		Cour	se type	Deptt. Elective	Seme	ester-10 th	LTP	31 0
Max.Marks	End ter	m	Mid tern	n 50		Practical -	Elective	Y
Pre requisites	Financ	ial Acc	counting					
Course objective	decision costing	Help students develop an understanding of various costing systems in different strategic decision situations, explain contemporary issues in costing systems such as activity-based costing and pricing, target costing, etc and comprehensive view on management control covering control structure issues						
Course outcomes	 Ap An 	ply alte alyze c	ernative co	ly cost drivers st accounting meth ace and value generate cost management	ated	ies		
THEORY								
Note for the Examiner The examiner will set seven questions of equal marks. The first question ,which is compulsor will cover the entire syllabus, having ten conceptual questions of one mark each or fix questions of two marks each. Rest of paper will be divided into two parts (SECTIONS) having three questions each and candidate is required to attempt at least two questions from each part. The duration of End Term exam will be 3 hrs.							nch or five NS) having	
				SECTION- A				Hours
UNIT-I Strategic Cost Management: Meaning, Nature and Significance of Strategic Cost Management, Limitations of Traditional Costing, Difference between Conventional							8	

	of Co	st Analysis and Strategic Cost Analysis, Financial, Operational and Strategic Views Cost, Contemporary Cost Management Tools, Activity Based Costing and Activity sed Management: Treatment of Cost, Steps, Advantages, Disadvantages.						
UNIT-II	Value Analysis: Meaning of Value Analysis and value addition, Strategic Application of Value Chain Analysis. Strategic Positioning Analysis: Critical Success Factors and SWOT Analysis.							
UNIT-III	Assur	Cost Volume Profit Analysis: Cost Behaviour Pattern, Cost Estimation Methods, Assumptions of CVP Analysis, Applications of CVP, Break Even Analysis, CVP Analysis in the choice of Cost Structure, Multiple Product Analysis.						
	-	SECTION- B						
UNIT- IV								
UNIT- V		nsibility Accounting, centres, Activity based Responsibility Accounting, 7 ioural aspects of responsibility accounting, Transfer Pricing.						
UNIT- VI	Performa Weaknes Incentive	erformance Evaluation: Traditional Framework of Performance Evaluation, 8 erformance Measurement System, Balanced Scorecard, Implementation, Strengths and Veaknesses of Balance Scorecard, Behavioral Views, Rewards to performance, incentive Compensation roductivity improvement: Various tools and techniques including Kaizen and Six						
Text books 1. 2.		 John K. Shank, Vijay Govindarajan: Strategic Cost Management, Free Press Callie Berliner: Cost Management for Today's Advanced Manufacturing - 1 Conceptual Design, Harvard Business School Press. 						
Reference books		 Robert S. Kaplan and Robin Cooper: Cost & Effect, Harvard Business School Press Blocheret. al.: Cost Management-A Strategic Emphasis, McGraw-Hill. Govindarajan Shank: Strategic Cost Management, Free Press. 						
Course Assessment Methods		Assessment will consist of the following components 1. Mid-Term Assessment: One best of two minor tests (50% of Mid-term marks) Assignments (20% of Mid-term marks) Class Surprise Tests/ Quizzes/Presentations/Term paper (20% of Mid-term marks) Attendance. (10% of Mid-term marks) 2.End –Term Assessment: University Examination	erm marks)					

Title	INDUSTRIAL & RURAL MARKETING				Credits	04			
Code			Semester:-10 th		LTP	31 0			
Max.Marks	End term 50	Mid-term 50		Practical -	Elective	Y			
Pre requisites	Pre requisites Marketing Management								
THEORY									

Note for the E	xaminer	The examiner will set seven questions of equal marks. The first of is compulsory, will cover the entire syllabus, having ten concepts one mark each or five questions of two marks each. Rest of divided into two parts (SECTIONS) having three questions each is required to attempt at least two questions from each part. The of Term exam will be 3 hrs.	al questions of paper will be and candidate					
		SECTION- A	HRS					
UNIT-I	Product, Ba Marketing,	on to Industrial Marketing: Definition of Industrial & Consumer asis of Classification; Difference between Industrial & Consumer Concept of Derived Demand, Classification of Industrial, Industrial goods, Key Characteristics of Organizational Buying						
UNIT-II		G Organization: Structure / Functions; Commercial Enterprises - at / Institutional Markets Industrial Buying Process.	6					
UNIT-III	Motivations Purchaser's Organizatio Positioning Marketing	Marketing Strategies: Buying Situation Analysis with Marketing, Buying 9 Motivations of Organizational Buyers Rational / Emotional Motives, Purchaser's Evaluation of Potential Suppliers, Environmental Influences on Organizational Buying, Segmenting the Industrial Market, Targeting & Positioning, New Industrial Product Development, Managing Business Marketing Channels, Industrial Pricing Process, Industrial Advertising, Managing Industrial Personal Selling Function.						
		SECTION- B						
UNIT-IV	Size and Characteristi Rural Mark	Introduction to Rural Marketing: Definition, concept, scope, nature, etc., 11 Size and Nature of Indian Rural Markets Rural Demand. Buying Characteristics, Decision Process, Behavior and Evaluation, Segmenting the Rural Market, Targeting and Positioning, Product Strategy: Significance, concepts and product mix decisions, Pricing Strategy: Objectives, Policies and Strategies.						
UNIT-V	Marketing - and channel institutions,	notion Strategies: Advertising, Sales Promotion, Communication in Rural 12 keting - Language and Culture Distribution Strategies for rural Marketing channels of distribution, Role of Co-operative, Government, financial tutions, public sector undertaking, regulated markets and public libution systems, Intervention of IT in rural Markets						
Text books	2. Francis C	 Krishana K Hawaldar: Industrial Marketing, Tata McGraw Hill. Francis Cherunilam: Industrial Marketing Text and Cases, Himalaya Publishing House B. Dogra and K. Ghuman: Rural Marketing – Concepts and Practice, Tata McGraw Hill. 						
Reference books	 Hory Shan T.P. Go Publishing. C.S.G. F Pearson Edu R. Dwyer P.K. Ghos 	 Reeder et al: Industrial Marketing: Analysis, Planning & Control, Prentice Hall India. Hory Shankar Mukerjee: Industrial Marketing, Excel Books. T.P. Gopalswamy: Rural Marketing, Environment problems and strategies, Wheele Publishing. C.S.G. Krishnamacharulu and LalithaRamkrishnan: Rural Marketing, Text and Cases Pearson Education. R. Dwyer and J.F. Tanner: Business Marketing, Tata McGraw Hill. P.K. Ghosh: Industrial Marketing, Oxford University Press. P. Kashyap and S. Ravi: Rural Marketing, Biztantra. 						
Course Assessment Methods	1. Mid-Term One Ass	Assessment will consist of the following components 1. Mid-Term Assessment: One best of two minor tests (50% of Mid -term marks) Assignments (20% of Mid-term marks) Class Surprise Tests/ Quizzes/Presentations/Term paper (20% of Mid-term marks)						

Attendance. (10% of Mid-term marks)
2.End –Term Assessment: University Examination

Title	PRODUCT INNOVAT	1	04								
Code			Semes	ter:-10 th]	LTP		31 0			
Max.Marks	End term 50	Mid te	rm 50	Practical -]	Elective Y					
Pre requisites	Marketing Management										
THEORY											
Note for the Examiner	compulsory, will cover to five questions of two having three questions e	The examiner will set seven questions of equal marks. The first question ,which is compulsory, will cover the entire syllabus, having ten conceptual questions of one mark each or five questions of two marks each. Rest of paper will be divided into two parts (SECTIONS) having three questions each and candidate is required to attempt at least two questions from each part. The duration of End Term exam will be 3 hrs.									
	SI	ECTION	I- A				HRS				
UNIT-I	Production function: proproduction, production sproduct selection linking setting up production systems.	strategy, the prod	plannin luct with	g & controlling the marketing, planning	operat	tions -	7	7			
UNIT-II	Manufacturing system design: organization of manufacturing operation, job batchand flow production methods, group technology - coding composite component, product flow analysis, group technology and just-in-time.						7	7			
UNIT-III	quality control, advantag	Just-in-time manufacturing: JIT manufacturing, people involvement, tota quality control, advantage of JIT manufacturing, elements that support JI' flow, the kanban system optimized production technology OPT.).						3			
		SI	ECTION	N- B							
UNIT-IV	manufacturing & service corporate strategy & manu control in manufacturing st	facturing					7	7			
UNIT-V	constraints, the goal of paper to market, bench ma	Theory of constraints & synchronous manufacturing: introduction, theory of constraints, the goal of performance measures, synchronous manufacturing speed to market, bench marking, simultaneous engineering, reverse engineering technology audit, strategic alliances.						3			
UNIT-VI	Technological innovation in manufacturing: automated design support, computer numerical control (CNC) machines, computer aided manufacturing (CAM), flexible manufacturing system (FMS), computer integrated manufacturing (CIM), artificial intelligence (AI), automation in services.							3			
	Dilworth, J.B., Production Narasimhan, S.L., Mclea Inventory Control, Prentice	avey, D.V	W. and E			lanning	. &				
Course Assessment Methods	Assessment will consist of 1. Mid-Term Assessment: One best of two n			mponents of Mid -term marks)							

Assignments (20% of Mid-term marks)
Class Surprise Tests/ Quizzes/Presentations/Term paper (20% of Mid-term marks)
Attendance. (10% of Mid-term marks)
2.End –Term Assessment: University Examination

Title		PERFORMANCE	E MANA	GEME	NT	Credits	04		
Code				Semester:-9th		LTP	3 1 0		
Max.Marks		End term 50	Mid te	rm 50	Practical -	Elective	Y		
Pre requisites		Human Resource	Manage	ement					
THEORY									
Note for the Examiner The examiner will set seven questions of equal marks. The first question compulsory, will cover the entire syllabus, having ten conceptual questions of each or five questions of two marks each. Rest of paper will be divided into (SECTIONS) having three questions each and candidate is required to attempt at questions from each part. The duration of End Term exam will be 3 hrs.									
		SECTION- A					Hrs		
UNIT-I	Performance Man Performance Mana Characteristics of id	gement (PM) Syste							
UNIT-II	performance renewa Performance Ma management theat	eution, performance al and recontracting.	e asse e: Con nagee p	ssment, cept, p erforma	performance billars of Performance and devel	review,			
UNIT-III		ment Performance individual perfort velopment plan, set	nance p	lans, C	omponents of N	Managee			
UNIT-IV	Monitoring and Introduction, Super process, periodic re development, role en	vision, Objectives a eviews, problem sol	nd Princ	ciples of	Monitoring, mo	nitoring			
		SECTIO	N- B						
UNIT-V	stocktaking potentia	ng: Stock taking al, Tools for stockt anagee career develo	aking po	otential					
UNIT-VI	appraiser and appra	Appraising for Recognition and Rewards: Pros and cons of appraising, 6 appraiser and appraisee concerns, common rating errors, purposes for appraising, methods of appraisal, implementing the appraisal system							
UNIT-VII	Reward Managem and non-financial processes.	ent: Definition, four rewards, factors aff							

UNIT-VIII	Pay Structures: fixed vs variable pay, graded pay structures, broadbanding, 7 developing pay structures. Pay systems: team based pay, performance related pay, short term incentives, long term incentives, executive compensation, international compensation,
Text books	benefits 1. Michael Armstrong and Angela Baron:Performance Management, Jaico Publishing House. 2. Chadha, Prem: Performance Management :It's about performing, Not just appraising, Macmillan. 3. T.V. Rao: Performance Management and Appraisal Systems, Sage Publication
Reference books	 Michael Armstrong and Helen Murlis: Handbook of Reward Management, Crest Publishing House. S.R. Kandula: Performance Management – Strategies, Interventions, Drivers, Prentice Hall India. D. Goel: Performance Appraisal and Compensation Management – A Modern Approach, Prentice Hall India. R.I. Henderson: Compensation Management – Rewarding Performance in the Modern Organization, Reston Publishing. D.R. Marshall: Successful Techniques for Solving Employee Compensation Problems, John Willey & Sons.
Course Assessment Methods	Assessment will consist of the following components 1. Mid-Term Assessment: One best of two minor tests (50% of Mid -term marks) Assignments (20% of Mid-term marks) Class Surprise Tests/ Quizzes/Presentations/Term paper (20% of Mid-term marks) Attendance. (10% of Mid-term marks) 2.End –Term Assessment: University Examination

Title	INTERNATIONAL BUSINESS MANAGEMENT Cree						04		
Code			Semes	ter:-9 th	LT	'P	3 1 0		
Max.Marks	End term 50	Mid ter	m 50	Practical -	Ele	ctive	Y		
Pre requisites									
THEORY	1								
Note for the Examiner	the The examiner will set seven questions of equal marks. The first question ,which is compulsory, will cover the entire syllabus, having ten conceptual questions of one mark each or five questions of two marks each. Rest of paper will be divided into two parts (SECTIONS) having three questions each and candidate is required to attempt at least two questions from each part. The duration of End Term exam will be 3 hrs.								
	SEC	TION- A	1			HF	RS		
UNIT-I Introduction to International Business: Dynamics of International 11 Business, International Trade Theories and Business Implications, Process of Globalization, Global Business Environment, World Marketing Environment, Political/ Legal/ Cultural/ Social/Psychological dimensions.									
UNIT-II	Strategies and Structi	ures of	Interna	tional Business:	Internationa	l 11			

	Business Strategies, Organizational Structures and Strategies of International Business, International Entry Strategies, Strategies Alliances, Role of GATT / WTO.
	SECTION- B
UNIT-III	Marketing: Planning for International Marketing - Overseas Marketing 11 Research and Information System, Foreign Market Entry Strategies, International Operations Management, Planning for International Marketing- Overseas MR, IS, Foreign Market ,entry strategies, International marketing. Decisions-Product Branding, Packaging, Pricing, Distribution, Sales, Sales & Promotion Decision & strategies.
UNIT-IV	Emerging Issues: Emerging Economies, e-business, Operating in a Borderless 12 World, Export Promotion, Export documents and Procedures, Export Risk Insurance; Major problems of Indian Export Sector.
Text books	 John D. Daniels, Radebaugh and Sullivan: International Business Environment and operations, Pearson Education. Michael RC Zinkola, A. Ronkainen and Michael H. Moffett: International Business.
Reference books	 S. TomerCavesgit, Gary Knight and John R. Riesenberger: International Business strategy Management and the new realities, Pearson Education. Rakesh Mohan Joshi: International Business, Oxford University Press. M.K. Bhat: International Trade and Financial Environment, Anne Books. Alan M. Rugman, Richard M. Hodgetts: International Business – Strategic Management Approach, Tata McGraw Hill. John Matinussan: Transnational Corporations in a Developing Economy – The Indian Experience, Sage Publications. Bennett Roger: International Business, Pitman Publishing. Francis Cherunilam: International Economics, Tata McGraw Hill. M.R. Dixit: Environmental Factors Relevant for Strategy Formulation, Indian Management Association. T. Glueek: Business Policy and Strategic Management, McGraw Hill. C.P. Nindleberger: International Economics, R.D. Irwin.
Course Assessment Methods	Assessment will consist of the following components 1. Mid-Term Assessment: One best of two minor tests (50% of Mid -term marks) Assignments (20% of Mid-term marks) Class Surprise Tests/ Quizzes/Presentations/Term paper (20% of Mid-term marks) Attendance. (10% of Mid-term marks) 2.End –Term Assessment: University Examination

GROUP-D: FUNCTIONAL SUBJECTS 7 & 8

Title	MANA	GEME	Credits	04				
Code	Course type Deptt. Elective				Seme	ester-10 th	LTP	31 0
Max.Marks	End te	End term 50 Midterm 50				Practical -	Elective	Y
Pre requisites							Contact Hours	60
Course Objectives								

Course Outcomes									
THEORY		Time	3 hours						
Note for the Examiner	The examiner will set seven questions of equal marks. The firm will cover the entire syllabus, having ten conceptual questions of two marks each. Rest of paper will be divided into three questions each and candidate is required to attempt a part. The duration of End Term exam will be 3 hrs.	tions of one to two parts (mark ea	ch or five NS) having					
	SECTION- A								
Org Fina Fina Eco of I Secu Mar	ancial Services: Introduction of Financial Intermediaries and anisation of the Financial Service Industry, Various Financial Services in India. ancial Regulation: Need for Regulation of Financial Marl nomic Perspective of Regulation, International Regulatory Francialan Financial System, Revolution of Financial Services, Furitised Financial System, Financial Market, Functions of Steket, Government Securities Market, Regulations for Primary Macondary Market.	ncial Intermental Intermental Intermental Systock Exchange	ediaries, ical and egulation tem and ge, Debt	8					
II Indi By Den	Depository Services: Introduction to Depository Services, Depository Participants in India, Role of NSDI and CDSL, Difference Between NSDL and Bank, Services Offered By Depository Participants, Products Offered By Depository Participants, Process of Dematerialisation, Difference Between Physical and Electronic Holding of Securities. Broking: Broking Services and Trading in Equity Broking and Trading in Debt;								
III Stru Insu	tual Funds: Concept of Mutual Funds, Types of Mutual cuture of Mutual Funds and tax treatment, SEBI and Mutual Fundurance Services: Introduction, Types of Insurance, Life ducts.	ls Regulation	ıs;	7					
	SECTION- B								
M C a R 1 H	Debt Securitisation: Securitisation as a funding Mechanism, Mortgaged and Non- Mortgaged Assets Issue Management; Credit Rating: Meaning of Credit Rating, Process of Credit Rating ffecting Rating, Types of Rating, Advantages and Disadvantating, Methodology of Credit Rating, Credit Rating Agency 974, Credit Rating in India. Housing Finance: Procedure of Loan disbursement, Legal Jousing Finance;	ting, and Fact stages of Cro Regulation	tors edit Act						
F L C M L	Venture Capital: Nature, Scope, Regulatory Framework, Investment Process, Factors Affecting Venture Capitalist, Major Trends, Reasons for Slow Growth, Limitations of Venture Capital. Credit Cards, Types, Settlement Process, Mechanism, Member Establishment, Member Affiliates. Leasing: Definition, Types of Leases, Advantages, Disadvantages, Leasing and Commercial Banking Sector, Risk in Leasing, Lease Proposal Analysis, Legal Aspects of leasing								
	nnovation in Fin-tech: Cryptocurrency and blockchain egulation; payment banks – concept and regulations; UPI payment								

	participants and regulation; new umbrella entity for retail payments – concept, participants, RBI regulation
Text books	 M.Y. Khan: Indian Financial Services, Tata McGraw Hill. V. A. Avdhani: Marketing of Financial Services, Himalaya Publishing House.
Reference be	 Lalit K. Bansal: Merchant Banking and Financial Services, Unistar Publications. V. K. Bhalla: Management of Financial Services, Anmol Publications. G.S. Batra and B.S. Bhatia: Management of Financial Services, Deep & Deep Publications Priyanka Singh: Management of Financial Services, Thakur Publications. Satish K. Matta: Management of Financial Institutions and Services, Vrinda Publications P.S. Rose and S.C. Hudgins: Bank Management and Financial Services, Tata McGraw Hill.
Course Assessment Methods	Assessment will consist of the following components 1. Mid-Term Assessment: One best of two minor tests (50% of Mid-term marks) Assignments (20% of Mid-term marks) Class Surprise Tests/ Quizzes/Presentations/Term paper (20% of Mid-term marks) Attendance. (10% of Mid-term marks) 2.End –Term Assessment: University Examination

Title			HUMAN VALUES AND ETHICS			Credi	ts	04	
Code	Semester: 10 th								1 0
Max.Mark	s		End term 50	Mid term 50		Practical -	Elective	Y	
Pre requisi	tes						I		
THEORY							Time		
Examiner		of que	Il cover the entire syllabus, having ten conce two marks each. Rest of paper will be d estions each and candidate is required to a ration of End Term exam will be 3 hrs.	ivided into tv	vo pa	arts (SECT	IONS) hav	ing tl	hree
UNIT-I	etl Qı	nics. ıran.	n Values: importance, sources, types, fra Prominent human values-based teachings Value-based management. Spiritualitya ophers: Vidur, Plato, Aristotle, Chanakya.	of Vedas,Gita	,Gur	uGranth Sa	hib, Bible,		
UNIT-II	Business Ethics: nature, characteristics and need. Ethical theories and approaches: 11 traditional, deontological and teleological theories, Gandhian philosophy of wealth management, philosophy of trusteeship.								
			SECTION- B						
UNIT-III	str	uctu	value system and values, Indian ethos in tres, ethical leadership, law and ethics, work lace, cross cultural ethics, ethical dilemmas.	c ethics: nature					

UNIT-IV	Ethics in business disciplines: HRM (downsizing, balance of power, compensation, 12 conflicts), marketing (commodity culture, pricing, advertising), finance and accounting (stock market, financial reporting, insider trading), technology (privacy at workplace, genetically modified foods).
Text books & Reference books:	1.Chakraborty, Managerial Transformation by Values, Sage, New Delhi. 2.Hartman, Business Ethics, Tata McGraw-Hill, New Delhi. 3.HartmanandChatterjee, Business Ethics, Tata McGraw-Hill, New Delhi.
Course Assessment Methods	Assessment will consist of the following components 1. Mid-Term Assessment: One best of two minor tests (50% of Mid -term marks) Assignments (20% of Mid-term marks) Class Surprise Tests/ Quizzes/Presentations/Term paper (20% of Mid-term marks) Attendance. (10% of Mid-term marks) 2.End –Term Assessment: University Examination

Title	FACILITIES AND I	Credits		04						
Code	Semester:-10 th			LTP		31 0				
Max.Marks	End term 50	Mid te	rm 50	Practical -	Elective		Y			
Pre requisites					Contact Ho	urs	60			
THEORY					Time		3 Hours			
Note for the Examiner The examiner will set seven questions of equal marks. The first question ,which is compulsory will cover the entire syllabus, having ten conceptual questions of one mark each or five questions of two marks each. Rest of paper will be divided into two parts (SECTIONS) having three questions each and candidate is required to attempt at least two questions from each part. The duration of End Term exam will be 3 hrs.										
		SECTIO	N- A				HRS			
UNIT-I	of site selection for	Basics of Facilities Location Selection – basic concepts, importance 6 of site selection for facilities, factors affecting site selection - objective and subjective factors, considerations in site selection,								
UNIT-II		outs – c		product, process, comb son of layouts and the						
UNIT-III	location for single faci	Location Selection Schemes and Layout Schemes – methods to select 6 location for single facility problems and multiple facility problems - tools to analyse the flow requirements in a facility,								
UNIT-IV	systematic layout planning – examples, assembly lines, line 5 balancing methods									
			SECT	ION- B	•					
UNIT-V	storage, aisles, wareho	ousing a e requir	nd emp	s – receiving and sl loyee services – office environmental aspec idity - different types	e layout ets like					

	services like steam, compressed air etc.
UNIT-VI	Materials Handling System and Equipment – principles, materials 5 handling in plants, stores, and warehouses, receiving and dispatch area – choice of material handling equipment – cost control in material handling - automatic guided vehicles – basic concept, design and operational control of an AVG system
UNIT-VII	Elements of Industrial Safety – health hazards and health standards, 6 NIOSH guidelines and health standards - accidents – causes and prevention of accidents,
UNIT-VIII	safety measures and standards, fire and fire fighting equipment, heat 5 stress and prevention, pollution and environmental considerations, occupational safety and health norms
Text books	 Facility Layout and Location: An Analytical Approach, 2nd ed, Francis McGinnis, and White, Prentice Hall, Englewood Cliffs, New Jersey, 1992 Manufacturing Facilities Design and Materials Handling, 2nd ed, Mathew P. Stephens, Fred E. Meyers, Purdue University Press 2013
Reference books	1.Facilities Planning, Tompkins and White, 4th ed, Wiley, 2013 2.Plant Layout and Materials Handling, 2nd ed, S. C. Sharma, Khanna Publishers 3.Plant Layout and Materials Handling – James A. Apple, e-book
Course Assessment Methods	Assessment will consist of the following components 1. Mid-Term Assessment: One best of two minor tests (50% of Mid -term marks) Assignments (20% of Mid-term marks) Class Surprise Tests/ Quizzes/Presentations/Term paper (20% of Mid-term marks) Attendance. (10% of Mid-term marks) 2.End –Term Assessment: University Examination

Title	INDUSTRIAL RELATIONS AND LABOUR LAWS Credits				Credits	04	
Code	S		Semes	Semester:-10 th		LTP	310
Max.Marks	End term 50	Mid ter	rm 50	Practical -	I	Elective	Y
Pre requisites	Human Resource Mangement						
THEORY							
Note for the Examiner	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						e mark each two parts
SECTION- A					Hrs		
UNIT-I	Overview of Industrial Relations: Concept of IR, Nature of IR, Objectives 5 of IR, Evolution of IR in India, Theories of IR, Systems approach to IR.						
UNIT-II	Trade Unionism: Concept of Trade Unions , Functions of Trade Unions , 6 Approaches , Structures of Trade Unions. The Trade Unions Act, 1926: Trade Union, Registration of Trade Unions,						

	Rights and Liabilities of registered trade unions.
UNIT-III	Grievance Handling: Grievance, Causes/Sources of Grievances, Grievance 5 Redressal Machinery, Legislative Aspects of the Grievance Redressal Procedure in India, Domestic enquiry.
UNIT-IV	The Industrial Disputes Act, 1947: Industry, workman, Industrial Dispute -6 methods and authorities for the settlement of industrial disputes, Strikes and Lockouts, Lay off and Retrenchment. ining: Concept, meaning - objectives of collective bargaining, Negotiating techniques and skills, process of collective bargaining, Impact of Collective Bargaining.
	SECTION- B
UNIT-V	The Workmen's Compensation Act, 1923: Workman, employer's liability 5 to pay compensation, disablement, amount of compensation. Tripartite and bipartite bodies: Workers Participation in Management.
UNIT-VI	Factories Act, 1948: Factory, worker, manufacturing process, provisions of 6 health, safety and welfare, working hours of adults, special provisions relating to children, annual leave with wages.
UNIT-VII	Industrial Relations and emerging scenario: Industrial Relations and 7 technological change, International Labour Organisation (ILO): Objectives and Structure, Future of Industrial Relations Standing Orders Act, 1948: Standing orders, certification of draft standing orders, duration and modification of certified orders.
UNIT-VIII	Employee's State Insurance Act, 1948: Contribution, principle employer, 6 immediate employer, different benefits.
Text books	 Meenu Paul: Labour& Industrial Law, Allahabad Law Agency. S.N. Mishra: Labour& Industrial Law, Central Law Publications. C.B. Mamoria and GankarMamoria, - Dynamics of Industrial Relations, Himalaya Publishing House.
Reference books	 VenkataRatnam: Industrial Relations, Oxford University Press. A. Monappa: Industrial Relations, Tata McGraw Hill. S.N. Dhayani: Industrial Relations System, Sultan Chand and Sons K.K. Ahuja: Industrial Relations – Theory and Practice, Deep and Deep Publications. J.T. Dunlop: Industrial Relations System, Harvard Business Press. E.A. Ramaswamy and U. Ramaswamy: Industry and Labour Oxford University Press G.P. Sinha and P.R. N. Sinha: Industrial Relations and Labour Legislation, Oxford an IBR Publishing.
Course Assessment Methods	Assessment will consist of the following components 1. Mid-Term Assessment: One best of two minor tests (50% of Mid -term marks) Assignments (20% of Mid-term marks) Class Surprise Tests/ Quizzes/Presentations/Term paper (20% of Mid-term marks) Attendance. (10% of Mid-term marks) 2.End –Term Assessment: University Examination

Title	INTERNATIONAL FINANCE	Credits	04	
Code		Semester:-10 th	LTP	3 1 0

Max.Marks	End term 50	Mid term 50	Practical -	Elective	Y			
Pre requisites	Pre requisites Financial Accounting;FinancialManagement							
THEORY								
Note for t Examiner	compulsory, will cove each or five questions (SECTIONS) having the	r the entire syllal of two marks ea aree questions each	as of equal marks. The bus, having ten conceptual ach. Rest of paper will but and candidate is required and Term exam will be a	al questions of e divided into ed to attempt a	f one mark two parts			
	SEC	CTION- A			HRS			
UNIT-I		riew, Objectives of	Inction: International in the international firm and interporation.					
UNIT-II	and exposure, exposu	re information ques for foreign 6	nge market, foreign excha system, strategies for e exchange rate projections, evices.	exposure				
UNIT-III	capital management, I	nvestment of internation	iabilities: International ternational money marke onal money market, Inter sm.	et; Euro				
		SECTION-	В	1				
UNIT-IV	Internationalization of management - An overvierisk; Financial function in	ew, Objectives of	international firm and ir	financial 7 mpact of				
UNIT-V	Foreign Exchange Risk: and exposure, exposure management and technique for foreign exchange risk a	information s ues for foreign e	ystem, strategies for exchange rate projections,	exposure				
UNIT-VI	Managing Short-term Asmanagement, Investment other important international payment settlement mechanisms.	of international nonal management	noney market; Euro curre	ency and				
Text books	 P.G. Apte: Internationa Maurice D Levi: International 			11.				
Reference books	 G. Bekaert and R. J. F J. Madura: Internation 	tinational Financi Hodrick: International Corporate Fina Conehill and M.H.	al Management, Wiley In onal Financial Manageme ance, Thomson South-We Moffett: Multinational Bu	dia. nt, Prentice H stern. isiness Financ				
Course Assessment	Assessment will consist of 1. Mid-Term Assessment:	the following co	mponents					

Methods	One best of two minor tests (50% of Mid -term marks) Assignments (20% of Mid-term marks) Class Surprise Tests/ Quizzes/Presentations/Term paper (20% of Mid-term marks) Attendance. (10% of Mid-term marks)
	Attendance. (10% of Mid-term marks) 2.End –Term Assessment: University Examination

Title		SEMINAR ON CORPORATE GOVERNANCE					01
					Semester:- 10 th	LTP	0 0 2
Max.Marks End term - Mid term - Practical - 50						Elective	e N
Pre requisites	Pre requisites						
Note for the e	examiner		-				
Practical							
SECTION- A	1					Н	[rs
UNIT-I	Corporate	Governance: Introduction	on, Overview.			4	
UNIT-II		Board: Attributes, Dutie te and Board Effectiveness					
UNIT-III	Corporate Governance and Security: Corporate Disclosure and Investor Protection, 5 Corporate Restructuring and Revival of Sick Units, Corporate Reputation, Corporate Legitimacy and Corporate Crime.						
SECTION- B	3					•	
UNIT-IV		An introduction; organicultural diversity in organic				ning;6	
UNIT-V	General Issues regarding Corporate Governance: Takeover Codes, Corporate 6 Board Committees, Globalisation and Corporate Governance, Emerging Trends in Corporate Governance.						
Text books	U.C. Mathur: Corporate Governance & Business Ethics, Macmillan. C.C.V. Baxi: Corporate Governance, Excel books						
Reference books	 J. Fred Weston: Takeovers, Restructuring & Corporate Governance, Pearson Education. Dr. S. Singh: Corporate Governance, Excel books. Swami (Dr.) Parthasarathy: Corporate Governance, biz tantra. Donald. H. Chew Jr.: Corporate Governance at the Cross Roads, Tata McGraw Hill. Jill Solomon: Corporate Governance & Accountability, Wiley India. Kesho Prasad: Corporate Governance, Prentice Hall India. Christine A. Mallin: Corporate Governance, Oxford. Subhash Chandra Das: Corporate Governance in India, Prentice Hall India. 						
Course Assessment Methods	Internal Assessment based on class presentation and report submission						

Title	WORKSHOP ON MANAGEMENT INFORMATION SYSTEMS				Credits	01			
Code	MBA 517 Semester:-10 th			LTP	002				
Max.Marks	End term	Mid-ter		Practical 50	Elective	N			
Pre requisites	Pre requisites								
PRACTICAL									
Note for the Examiner	-								
SECTION. A	•								

SECTION- A

Introduction: why information system, Perspectives and contemporary approach to information system, usage of information systems, Information system in the enterprise: major types of system in organisation, systems from functional perspectives, integrating functions and business processes. Management opportunities, challenges and solutions, Information systems, organisations.

Management and strategy: organisations and information systems, how information system impact organisations and business firms, the impact of IT on Management Decision Making, Information Business and Business Strategy, Management opportunities, challenges and solutions,

SECTION-B

Enterprise application and business process integration: Enterprise systems, supply chain management systems, customer's relationship management system, and enterprise integration trends

Redesigning the organisation with the information systems: system as planed organizational change, business process re-engineering and process improvement, overview of system development, alternative systems building approaches, management opportunities, challenges and solutions, Managing international information systems: growth of international information systems, organizing and managing international information systems, technology issues and opportunities challenges and solutions.

Text books

- 1. Alter, S., Information Systems: A Management Perspective, Prentice Hall- Gale
- 2. Davis, G. and Olson, M.H., Management Information Systems: Conceptual Foundation, Structure and Development, McGraw-Hill, New York.

Reference books

- 1. Goyal D. P., Management Information Systems: Managerial Perspective, Macmillan India Limited, New Delhi
- 2. Kanter, J., Managing with Information, Prentice Hall of India.
- 3. Laudon, K. C. and Laudon, J. P., Management Information Systems: Organization and Technology in the Network Enterprise, Prentice Hall.
- 4. Murdic, R.G., and Claggett, J.E., Information Systems for Modern Management, Prentice-Hall.

Course Assessment Methods

Internal Assessment based on class presentation and report submission

Paper Title: RESEARCH PROJECT (MANAGEMENT) (Practical)
Paper Code: MBA 506 Marks: 50 Credits: 2

The objective of this course is to train students to formulate a business problem, and undertake rigorous research using different tools learnt by them during the management program. Students are expected to use various

quantitative and statistical techniques, statistical software, and the qualitative and quantitative research methodology techniques taught to them.

Each student would be allocated to a faculty who would guide and supervise the research project. The research projectwould commence in 9th semester, and continue in the 10th semester. However, marks awarded would be included in the marks sheet of 10th semester.