Semester-VIII

Industrial Management (HM 801 A)

Name o	f the Course:			Industrial M	 Tanagement	·		
Course	Code: HM 801	A		Semester: VIII				
Duratio	Duration: 6 months				Marks: 100			
Teachin	g Scheme			Examination	n Scheme			
Theory:	2 hrs./week			Mid Semeste	er Exam.: 15	Marks		
Tutorial	: Nil			Assignment	& Quiz: =10)(=8+2) Mark	T.S.	
				Attendance:	5 Marks			
Practical	l: hr./week			End Semeste	er Exam.: 70	Marks		
Credit Points:2								
Objectiv	ve: The course	content should be	taught and impl	emented with	the aim to d	evelop require	d skills in the	
students	so that they are	e able to acquire for	following compet	tencies.				
1	Acquire basic	knowledge n, und	derstanding of ba	sic functions	of industry.			
2	Recognize org	ganization structui	re, human resour	ce issues in ir	ndustries and	l major provision	ons of factory	
	acts.							
3	Plan, use, mor	nitor and control r	esources optima	lly and econo	mically.			
Pre-Req	uisite:							
1	OE TT 501 A	/B						
2								
End Ser	nester Examin	ations Scheme. N	Maximum Mark	ks – 70. Time	allotted – 3	hrs.		
Groups	Units	Objective Ques	tions (MCQ	Subjective	Questions			
		only with one c	orrect answer)					
		No. of	Total marks	No. of	To	Marks per	Total marks	
		questions to		questions	answer`	question		
		be set		to be set				
A	1 to 7	10	10					
В	1 to 7			6	3	5	15	

3

6

15

45

C

1 to 7

- Only multiple choice type questions (MCQ) with one correct answer are to be set in the objective part.
- Specific instruction to the students to maintain the order in answering objective questions should be given on top of the question paper.

Unit	Content	Hrs/Unit	Marks/Unit
1	Introduction	1	4
1	Development, application and scope of Industrial Management.	1	Т
	Principles of Management		
	Management, different functions of management: Planning,		
	organizing, coordination and control. Structure of an industrial		
2	organization. Functions of different departments., Relationship	4	12
	between individual departments Line, Line and staff and Functional		
	relationships- Span of control- Delegation- Management by		
	Objectives.		
	Personnel management		
	Objectives and functions of personnel management- Recruitment-		
2	Selection and training of workers- Labour Welfare- Industrial Fatigue-	4	12
3	Industrial disputes-Trade Unions- Quality circles. Formation of	4	12
	companies: Proprietory-Partnership-Joint stock companies- Public		
	sector- Joint sector and Co-operative sector.		
	Productivity		
4	Definition, measurement. Work study and its role in improving	4	12
_	productivity of an organization. Types of Production systems.		12
	Introduction to production planning and control.		
	Finance management		
5	Capital budgeting techniques, payback period, ARR, NPV, IRR, PI;	6	20
	Sources of capital; Costs concepts and Break even analysis.		
	Production planning and Control (PPC).		
6	Types and examples of production. PPC: i. Need and importance. ii.	6	20
	Functions. iii. Forms used and their importance. iv. General approach		
		l	L

	for each type of production. Scheduling- meaning and need for		
	productivity and utilization. Gantt chart- Format and method to		
	prepare, Critical ratio scheduling-method and numeric examples.		
	Scheduling using Gantt Chart (for at least 5-7 components having 5-6		
	machining operations, with processes, setting and operation time for		
	each component and process, resources available, quantity and other		
	necessary data), At least two examples. Bottlenecking- meaning, effect		
	and ways to reduce.		
	Recent Trends in IM.		
7	ERP (Enterprise resource planning) - concept, features and	5	20
/	applications, Logistics- concept, need and benefits, Just in Time (JIT)-	3	20
	concept and benefits, Supply chain management-concept and benefits.		
	Total	30	100
1		l .	l

Text and reference books:

- 1. Essentials of Management, Koontz a andO'Donne.
- 2. Finance Sense, Prasanna Chandra
- 3. Industrial Management, M E Thukaram Rao.
- 4. Modern Production Management. Buffa.
- 5. Industrial Engineering & Management. O. P. Khanna

Course Outcome:

After successful completion of this course, the students should be able to

- 1. Interpret given organization structure, culture, climate and major provisions of factory acts and laws.
- 2. Understand basic functions of industry.
- 3. Gather knowledge on current development and trends on Industry.
- 4. Explain production and productivity issue
- 5. List and explain PPC functions.
- 6. Plan, use, monitor and control resources optimally and economically.

Special Remarks (If any): NIL

Production Planning & Control (HM 801B)

Name of t	of the Course: Production Planning & Control								
Course Co	ode: HM 80)1B	;	Semester: VIII					
Duration:	6 months			Maximum Marks: 100					
Teaching	Scheme			Examination S	Scheme				
Theory: 2	hrs./week]	Mid Semester I	Exam.: 15 I	Marks			
Tutorial: N	Jil			Assignment &	Quiz: =10(=	=8+2) Marks			
				Attendance: 5	Marks				
Practical:	hr./week			End Semester I	Exam.: 70 Ma	arks			
Credit Poi	nts: 2								
Objective	:								
1	To under	stand the problems	and opportunit	ies faced by the	e operations	manager in ma	anufacturing		
	and servi	ce organizations.							
2	To develo	op an ability to app	oly PPC concept	ts in a various a	areas like ma	rketing, accou	nting, finance,		
	engineeri	ng, personnel man	agement, logist	ics, etc.					
3	To integr	ate operations con	cepts with other	functional area	as of busines	S			
4	To under	stand the PPC fund	ction in both ma	nufacturing an	d service org	anizations.			
5	To exami	ine several classic	Operations Mar	nagement plann	ing topics in	cluding produ	ction planning		
	and inver	ntory control.							
6	To learn	several important o	contemporary to	pics relevant to	business ma	anagers of all	functional		
	discipline	es, including qualit	y management,	lean concepts,	and sustaina	bility			
Pre-Requi	isite:								
1	OE TT 50	01 A/B							
2									
End Seme	ster Exami	nations Scheme.	Maximum Mar	·ks – 70. Time	allotted – 3	hrs.			
Groups	Units	Objective Quest	tions (MCQ	CQ Subjective Questions					
		only with one co	orrect						
		answer)							
	No. of Total marks No. of To Marks per Total marks						Total marks		

		questions to		questions	answer`	question	
		be set		to be set			
A	1 to 18	10	10				
В	1 to 18			6	3	5	15
С	1 to 18			6	3	15	45

- Only multiple choice type questions (MCQ) with one correct answer are to be set in the objective part.
- Specific instruction to the students to maintain the order in answering objective questions should be given on top of the question paper.

Unit	Content	Hrs/Unit	Marks/Unit
1	Indian textile industry scenario, production and export, yarn, fabric and apparel sectors.	1	4
2	Textile Policy. Sickness in textile industry, analysis and options.	2	6
3	Production and operations management function.	1	4
4	Operation strategy, facility location and capacity planning	2	6
5	Production planning and control; aggregate planning, scheduling, PERT and CPM, product mix using linear programming concepts.	2	6
6	Inventory model and safety stock; optimal order quantity, economic manufacturing batch size.	2	6
7	Classification of materials, materials requirement planning, material store management and distribution management. Just in time concept.	1	4
8	Supply chain Management in textile industry	1	4
9	Maintenance management in textile industry	1	4
10	Plant modernisation	1	4
11	Motion and time study	1	4
12	Job evaluation and incentive scheme.	1	4
13	Productivity; partial and total productivity, machine, labour and energy productivity, efficiency and effectiveness, benchmarking, measure to increase productivity.	3	10

14	Forecasting; methods of forecasting, moving average, regression and	2	6
	exponential smoothing techniques, forecasting accuracy.		
15	Total quality management and Six Sigma.	3	10
16	Product marketing and pricing for textile industry	2	6
17	Financial and profit analysis, investment decisions.	2	6
18	Management information system.	2	6
	Total	30	100

Text and reference books:

- 1. Production & Operations management by R. Panneerselvam
- 2. Operations and supply management by Chase, Ravi Shankar, Jacob & Aquilano
- 3. Operations management: Theory and Practice by B. Mahadevan
- 4. Operations management by Krajewski, Ritzman and Malhotra
- 5. Operations research: An introduction by H. A. Taha

Course Outcome:

After successful completion of this course, the students should be able to

- 1. Recognize the objectives, functions, applications of PPC and forecasting techniques.
- 2. Explain different inventory control techniques.
- 3. Solve routing and scheduling problems
- 4. Summarize various aggregate production planning techniques.
- 5. Describe way of integrating different departments to execute PPC functions

Special Remarks (If any): NIL.

Merchandising (PE TT 801A)

Name of the Course:				Merchandising				
Course Code: PE TT 801A				Semester: VIII				
Duration: 6 months				Maximum M	arks: 100			
Teaching	Scheme			Examination	Scheme			
	2 hrs./week	-		Mid Semester		Marks		
Tutorial:						0(=8+2) Mark	·c	
r utoriar.	111			Attendance: :		(0+2) Mark		
Practical:	hr./weel	_		End Semester		Maulsa		
		<u> </u>		End Semester	Exam.: 70	iviarks		
Credit Po								
Objective								
1	-	t knowledge of mer						
2	To impar	t knowledge of mer	chandise mix ma	nagement and	d strategies			
3	To provi	de knowledge to ma	ke documentation	n				
	To suppo	ort in making action	plan in timefram	ie				
Pre-Requ	iisite:							
1	PC TT 30	03						
2	PC TT 50	01. PC TT 502, PC	ΓΤ 504 OE TT :	501 A/B				
3	PC TT 60	04						
End Sem	ester Exan	ninations Scheme.	Maximum Mar	ks – 70. Time	allotted –	3 hrs.		
Groups	Units	Objective Quest	ions (MCQ	Subjective	Questions			
		only with one co	rrect answer)					
		No. of	Total marks	No. of	To	Marks per	Total marks	
		questions to be		questions	answer`	question		
		set		to be set		_		
A	1 to 6	10	10					
В	1 to 6			6	3	5	15	
C	1 to 6			6	3	15	45	
		le choice type ques						

part.

• Specific instruction to the students to maintain the order in answering objective questions should be given on top of the question paper.

Unit	Content	Hrs/Unit	Marks/ Unit
	Introduction to merchandising		
1	Functions of Merchandiser, Merchandising department organization chart,	3	10
	Merchandising communication, Tech-pack interpretation and updating		
	Merchandising and Sourcing		
	Merchandising: functions of merchandising division – role and responsibilities		
	of a merchandiser – different types of buyers – communications with the buyers		
	- awareness of current market trends - product development, line planning -		
	line presentation.		
2	Sourcing: Need for sourcing- sourcing materials- manufacturing resources	7	25
	planning – principles of MRP – Overseas sourcing –sourcing strategies. Supply		
	chain and demand chain analysis - Materials management for quick response -		
	Just In Time technology		
	Overseas sourcing - sourcing strategies. Supply chain and demand chain		
	analysis - Materials management for quick response - JIT technology		
	Merchandise mix management and strategies		
	Life style merchandising, Classification of merchandising, Basic stock		
	list/Model stock list/Never out list, Key role played by merchandiser in a retail,		
3	organization	5	15
	Consumer Behaviour		
	Types of buyers Retailing and buying seasons and their significance in product		
	planning.		
	Merchandising Documentation		
4	Export procedures, Import/Export documentation, FOB, C&F, CIF, Shipping	5	15
	mark, Certificate of origin, Letter of credit, Bill of lading, Export license,	S	13
	Packing list, Commercial invoice, Tech-pack interpretation and updating		

	Evolution and movement of fashion		
	Interpret the process of fashion forecasting, Summarize the movement and		
	acceptance of fashion, Recognize the relationship between historical events and		
	fashion evolution, Identify major fashion centers, types of designers and price		
5	market categories, Research influential names in fashion design, Recognize	6	20
	current fashion trends		
	Introduction to time and action plan		
	Description of TNA, Advantage, Importance, Preparation of TNA, Exercise on		
	TNA planning		
	Export Documentation		
	Order confirmation, various types of export documents, pre-shipment and post-		
6	shipment documentation, terms of sale, payment and shipment. Duty drawback,	4	15
0	DEPB, I/E license-exchange control regulation-foreign exchange regulation		13
	acts-export management risk-export finance. Functions and objectives of WTO-		
	Concepts of GATT and MFA.		
	Total	30	100

Text and reference books:

- 1. Sunil Chopra, Peter Meindal, "Supply Chain Management (Strategy, Planning and Operation). Prentice Hall,2001
- 2. BenjaminS.Blanchard, "LogisticsEngineeringandManagement". IncUppersaddleriver, NewJersey, 200
- 3. Donald J. Bowersox, Davis J. Closs "Logistical Management
- 4. TheIntegratedSupplyChainProcess",PrenticeHall,2002
- 5. MartinChristopher, "Chap. 7 of Logistics & Supply chain Management-Strategies for Reducing cost & Improving Service", 2nd Edition, 2003.

Course Outcome:

After successful completion of this course, the students should be able to

- 1. Explain marketing concept in textile industry
- 2. Define the marketing segmentation
- 3. Summarize the export documentation for exporting the product
- 4. Recall the pricing methods and their application
- 5. Discuss the sourcing strategies in textile marketing
- 6. List the different activities involved in visual merchandising

Special Remarks (If any): NIL.

Supply Chain Management (PETT 801B)

Name of	the Course:			Supply Chain Management				
Course Code: PE TT 801B				Semester: VI	II			
Duration	: 6 months			Maximum M	arks: 100			
Teaching	Γeaching Scheme				Scheme			
Theory:	2 hrs./week			Mid Semester	Exam.: 15	Marks		
Tutorial:	Nil			Assignment &	z Quiz: =10	(=8+2) Marks	3	
			-	Attendance:	5 Marks			
Practical:	hr./week			End Semester	Exam.: 70	Marks		
Credit Po	ints: 2							
Objective	e:							
1	To impart	knowledge how Lo	ogistics, Supply	Chain, Operat	ions, Chann	els of Distribu	tion fit in to	
	various ty	pes of business						
2	To impart	knowledge in desi	gning and Planr	ning of Trans	portation ar	nd logistics No	etworks.	
3	To provide	e students knowled	ge how to design	supply chair	manageme	nt for a specifi	c product	
4.	To facilita	te student in using	IT for supply ch	ain managem	ent			
Pre-Requ	uisite:							
1	OE TT 50	1 A/B						
2								
3								
End Sem	ester Exam	inations Scheme. I	Maximum Mar	ks – 70. Time	allotted – 3	3 hrs.		
Groups	Units	Objective Quest	ions (MCQ	Subjective	Questions			
		only with one co	rrect answer)					
		No. of	Total marks	No. of	То	Marks per	Total marks	
		questions to be		questions	answer`	question		
		set		to be set				
A	1 to 7	10	10					
В	1 to 7			6	3	5	15	
C	1 to 7			6	3	15	45	

- Only multiple choice type questions (MCQ) with one correct answer are to be set in the objective part.
- Specific instruction to the students to maintain the order in answering objective questions should be given on top of the question paper.

Unit	Content	Hrs/Unit	Marks/Unit
	Introduction to Supply Chain Management		
1	Supply chain – objectives – importance – decision phases – process view, competitive and supply chain strategies – achieving strategic fit, supply chain drivers – obstacles – framework – Elements of supply chain.	3	10
	Designing the supply chain network.		
2	Designing the supply chain network; Designing the distribution network – role of distribution – factors influencing distribution – design options – e-business and its impact – distribution networks in practice – network design in the supply chain – role of network – factors affecting the network design decisions – modelling for supply chain.	5	18
3	Designing and Planning of Transportation and logistics Networks. Role of transportation - modes and their performance – transportation infrastructure and policies - Just-in-time & Quick Response Logistics The Japanese Philosophy-Quick Response Logistics- Vendor Managed inventory- Logistics Information Systems logistics.	5	18
4	Sourcing and Pricing. Sourcing – In-house or Outsource – 3rd and 4th PLs – supplier scoring and assessment, selection – design collaboration – procurement		20

process - sourcing planning and analysis. Pricing and revenue		
management for multiple customers, perishable products, seasonal		
demand, bulk and spot contracts.		
Information Technology in the supply chain		
IT Framework – customer relationship management – internal supply	3	10
chain management – supplier relationship management–transaction management– future of IT		
Coordination in a Supply Chain		
Coordination in a Supply Chain, Lack of supply chain coordination and the Bullwhip effect – obstacle to coordination – managerial levers		
building partnerships and trust –continuous replenishment and vendor-managed inventories – collaborative planning, forecasting and	6	20
replenishment. Measuring effectiveness of supply management,		
logistics engineering. Operations Research Models for operational and strategic issues in		
supply chain management.		
Application of ERP modules like MRP I & MRP II etc. in SCM	2	4
Total	30	100

Text and reference books:

- 1. Ballou Ronald H., Srivastava Samir K. (2014). Business Logistics/Supply Chain Management, 5th Edition. Pearson.
- 2. Shah Janat. (2009). Supply Chain Management: Text and Cases. Pearson
- 3. Bowersox Donald D., Closs David J., Cooper Bixby M. (2008). Supply Chain Logistics
- 4. Management, 2nd Edition. Tata McGraw Hill.
- 5. Shapiro Jeremy F. (2002). Modeling The Supply Chain, 2nd Edition. Thompson Press.
- 6. Frazelle Edward H. (2009). Supply Chain Strategy: The Logistics of Supply Chain Management. Tata McGraw Hill.

Course Outcome:

After successful completion of this course, the students should be able to

- 1. Identify elements of supply chain management
- 2. Designing the supply chain network and identify its importance
- 3. Plan warehouse and logistics operations for optimum utilization of resources
- 4. Collaborate and plan for optimum utilization of resources
- 5. Forecast the new product by effective operations research models

Special Remarks (If any): NIL.

Textile Mill Planning & Organization (PE TT 801C)

Name of	the Course:		Γ	Textile Mill Planning & Organization				
Course (Code: PE TT	801 C	S	Semester: VIII				
Duration	: 6 months		N	Aaximum Ma	arks: 100			
Teaching	g Scheme		F	Examination Scheme				
Theory:	2 hrs./week		N	Mid Semester Exam.: 15 Marks				
Tutorial:	Nil		A	Assignment &	Quiz: =10	(=8+2) Marks		
			A	Attendance:	5 Marks			
Practical:	hr./week		E	and Semester	Exam.: 70 l	Marks		
Credit Po	oints: 2							
Objectiv	e:		<u>'</u>					
1	To impart knowledge of basic theories, techniques of cost ascertainment and their application for					application for		
	planning, p	performance evalua	ation and decision	n making				
2	To provide	e knowledge of sci	ientific way of pl	anning, imple	ementing, n	nonitoring and	controlling the	
	various as	pects of project su	ch as identificati	on of project,	, technical	and financial	appraisal of the	
	textile pro	jects						
3								
Pre-Req	uisite:							
1	PC TT 301	1, PC TT 302						
2	PC TT 401	1, PC TT 402						
3	PC TT 501	1, PC TT 502, PC	ГТ 503					
4	PC TT 601	1 PC TT 602						
End Sem	ester Exami	nations Scheme. N	Maximum Mark	s – 70. Time	allotted – 3	hrs.		
Groups	Units	Objective Quest	tions (MCQ	Subjective (Questions			
		only with one co	orrect answer)	wer)				
		No. of	Total marks	No. of	То	Marks per	Total marks	
		questions to be		questions	answer`	question		
		questions to se		-		4		

A	1 to 5	10	10				
В	1 to 5			6	3	5	15
C	1 to 5			6	3	15	45

- Only multiple choice type questions (MCQ) with one correct answer are to be set in the objective part.
- Specific instruction to the students to maintain the order in answering objective questions should be given on top of the question paper.

Unit	Content	Hrs/Unit	Marks/Unit
	Introduction		
1	Structure of the textile Industry, sectors of Industry, Product types and	4	14
	organization, Domestic industry, size of the industry, Export industry:		
	Size and nature of the industry.		
	Location and Layout Planning		
2	Factors affecting location, Plant layout, Different types of layouts, Plant location and Selection of site for a textile mill, Principles of machinery lay-outs and different flow plans of material for spinning, weaving and process house. Calculation for Balancing of machines for spinning and weaving mills and process house, Construction of building of a textile mill. Types of buildings, single and multistoried buildings. Fire hazards and their control.	12	38
3	Engineering services System of Ventilation and lighting used in textile mill, Humidification systems used in Textile Mills, Developments in humidification systems, Humidifiers and dehumidifiers, Utilization of steam and power, Power consumption - Energy consumption in textile machines, Measures to reduce power consumption.	6	20
4	Material Handling	3	12

	Importance of material handling, Methods and equipment employed- classification of material handling equipments, control of wastes.		
5	Costing Costing, elements of cost, fixed and variable cost, Knowledge of cost calculation for spinning, weaving and processing department. Viability evaluation of a project, Break even analysis.		16
	Total	30	100

Text and reference books:

- 1. Industrial Engineering and Management by O. P.Khanna
- 2. DudejaVD, "Managementof Textile Industry", Textile Trade Press, Ahmedabad (1981).
- 3. OrmerodA, "TextileProjectManagement", TheTextileInstitute, ManchesterUK(1992).
- 4. Talukdar M K, Srirammulu P K and Ajgaokar D B, "Weaving Machine, Mechanism and Management", Mahajan Publisher Private Ltd., Ahmedabad, India(1998).
- 5. GardeARandSubramanianTA,"ProcessControlinSpinning",3rdedition
- $6. \quad Goal Directed Project Management by E.S. Andersen, K.V. Grude \& Tor Hang, Coopers \& Cybranl Publication.$
- 7. Management of Textile Production, A. Ormorod. Newnes Butter WorthsPublication.
- 8. Plant location, Layout & Maintenance by RuddeleReed.
- 9. IndustrialOrganisation&Engg.EconomicsT.R.Banga&S.C.Sharma,KhannaPublishers,Delhi.

Course Outcome:

After successful completion of this course, the students should be able to

- 1. Select site, building, plant machinery
- 2. Understand the various hazards, and way to ensure safety measures in mill, understand different safety rules & their implementation mechanism
- 3. Forecast the profitability by effective use of knowledge of machine balancing and optimum utilization of the same
- 4. Plan effective product costing, selection of product mix for optimum profitability
- 5. Understand & apply staffing, recruiting, MIS systems in textile industry

Special Remarks (If any):NIL.

Costing and Accountancy (OE TT 802A)

Name of	the Course: Costing and Accountancy					
Course (Code: OE	ТТ 802А	Semester::VIII			
Duration	n: 6 month	S	Maximum Marks: 100			
Teaching	g Scheme		Examination Scheme			
Theory:	3 hrs./we	ek	Mid Semester Exam.: 15 Marks			
Tutorial:	Nil		Assignment & Quiz: =10(=8+2) Marks			
			Attendance: 5 Marks			
Practical:	hr./wee	k	End Semester Exam.: 70 Marks			
Credit Po	oints: 3					
Objectiv	Δ•					
1	1	aware about cost structure and c	ost elements and to understand various			
		es and methods of cost accountin				
2	-		& methods of absorption.,to understand the			
<i>-</i>		of a cost-sheet.	cometions of absorption, to understand the			
3	To unde	rstand the meaning accounting an	d accountancy, to know the accounting system			
	for any o	organization				
4	To impa	rt knowledge in the areas of cost	estimation, pricing of products, cost control			
	methods					
	and prine	ciples of accounting, , financial st	atements – Balance Sheet , Profit and Loss			
	statemen	t.				
Pre-Req	uisite:					
1	Basic M	athematics of 10 and/or 10+2				
2						
3						
End Sem	nester Exa	minations Scheme. Maximum N	Marks – 70. Time allotted – 3 hrs.			
Groups	Units	Objective Questions (MCQ	Subjective Questions			
		only with one correct				

		answer)					
		No. of questions to be set	Total marks	No. of questions to be set	To answer`	Marks per question	Total marks
A	1 to 5	10	10				
В	1 to 5			6	3	5	15
С	1 to 5			6	3	15	45

- Only multiple choice type questions (MCQ) with one correct answer are to be set in the objective part.
- Specific instruction to the students to maintain the order in answering objective questions should be given on top of the question paper.

Unit	Content	Hrs/Unit	Marks/Unit
1	Introduction Cost: Meaning, Concept and Classification. Elements of Cost, Nature & importance of costing. Cost accounting Vs Financial Accounting, Preparation of Cost Sheet and Statement of Cost Overhead costing, (Including calculation of machine hour rate.)	12	25
2	Marginal Costing Profit – Volume Ratio, Break – Even Point, Margin of Safety, Application of Break-even Analysis. Use of Marginal costing in decision making- pricing decision, make or buy etc. Cost Audit – Meaning, Importance and Techniques of Cost Audit	10	20
3	Accounting Process Accounting Concepts & Conventions, Double Entry System, Classification of Accounts Golden Rules, Journal Ledger: Principal Books of Accounts Vouchers-The documents to the transactions Trial Balance,	5	15

	Preparation of Final Accounts		
4	Profit & Loss Statement and Balance Sheet, Understanding Financial Statement Ratio Analysis	8	20
5	Time value of Money Evaluation of Investment decisions-(Discounting , Non discounting Techniques), Average Rate of Return-, Payback Period-Net Present Value & IRRProfitability Index	10	20
	Total	45	100

Text and reference books:

- 1. "Cost Accounting Theory & Practice", S,P Jain, K..L.Narang, New DelhiKalyani Publishers, 2007.
- 2. Essentials of Financial Accounting(Eastern Economy Edition) –by Ashis Kr Bhattacharya, Prentice Hall. Of India Private Ltd, 2007.
- 3. James.C.Van Home, "Fundamentals of fincancial Management", PHI, New Delhi, 2004.
- 4. Financial Management Theory & Practice by Prasanna Chandra Tata McGraw-Hill Education, 2007 -

Course Outcome:

After successful completion of this course, the students should be able to

- 1. Understand the basic journal entries.
- 2. Describe the financial statements of a business entity.
- 3. Define the various components of total cost of a product
- 4. Understand the features of overhead or indirect cost of production and basis of allocation and apportionment.

Special Remarks (If any):

Evaluation of different investment proposal to select the suitable one (Case study)

Entrepreneurship Development (OE TT 802 B)

Name of the Course: Entrepreneurship Development							
Course C	ode: OE T	Т 802 В	S	Semester: VIII			
Duration	: 6 months		N	Iaximum Ma	rks: 100		
Teaching	Scheme		E	Examination S	Scheme		
Theory:	3 hrs./wee	k	N	Iid Semester l	Exam.: 15	Marks	
Tutorial:	Nil		A	ssignment &	Quiz: =10	(=8+2) Marks	
				ttendance: 5	Marks		
Practical:	hr./week		E	nd Semester I	Exam.: 70 M	larks	
Credit Po	ints:3						
Objective	:						
1	To impa	rt knowledge in the	area of entrepren	entrepreneurship, and the role and importance of			
	entrepre	neurship for econor	nic development.				
2	To develop personal creativity and entrepreneurial initiative.						
3	To Adop	ot of the key steps i	n the elaboration	of business ide	ea.		
Pre-Requ	isite:						
1							
2							
3							
End Sem	 ester Exan	ninations Scheme.	Maximum Mark	xs – 70. Time	allotted – 3	hrs.	
Groups	Units	Objective Que	stions (MCQ	Subjective	Questions		
		only with one o	correct answer)				
		No. of	Total marks	No. of	To	Marks per	Total marks
		questions to		questions	answer`	question	
		be set		to be set			
A	1 to 5	10	10				
В	1 to 5			6	3	5	15
С	1 to 5			6	3	15	45
			Total Marks				70
• 0	⊥ nly multipl	e choice type ques	tions (MCQ) wit	th one correc	t answer ar	e to be set in t	the objective
	,p.	- J- Jp que	- (V) (11				

part.

• Specific instruction to the students to maintain the order in answering objective questions should be given on top of the question paper.

Unit	Content	Hrs/Unit	Marks/Unit
	Introduction		
	Entrepreneurship- definition. growth of small scale industries in		
1	developing countries and their positions vis-a-vis large industries; role of	10	24
•	small scale industries in the national economy; characteristics and types of	10	2.
	small scale industries; demand based and resources based ancillaries and		
	sub-control types. 5Government policy for small scale industry; stages in		
	starting a small scale industry.		
	Project identification		
	Assessment of viability, formulation, evaluation, financing, field-study		
2	and collection of information, preparation of project report, demand	8	16
	analysis, material balance and output methods, benefit cost analysis,		
	discounted cash flow, internal rate of return and net present value		
	methods.		
	Accountancy		
	Preparation of balance sheets and assessment of economic viability,		
3	decision making, expected costs, planning and production control, quality	10	24
	control, marketing, industrial relations, sales and purchases,		
	advertisement, wages and incentive, inventory control, preparation of		
	financial reports, accounts and stores studies.		
	Project Planning and control		
4		9	20
	The financial functions cost of capital approach in project planning and		
	control. Economic evaluation, risk analysis, capital expenditures, policies		

	and practices in public enterprises. profit planning and programming,		
	planning cash flow, capital expenditure and operations. control of		
	financial flows, control and communication		
	Laws concerning entrepreneur		
5	Partnership laws, business ownership, sales and income taxes and workman compensation act. Role of various national and state agencies which render assistance to small scale industries.	8	16
	Total	45	100

Text and reference books:

- 1. Forbat, John, "Entrepreneurship" New Age International. 2
- 2. . Havinal, Veerbhadrappa, "Management and Entrepreneurship" New Age International
- 3. Joseph, L. Massod, "Essential of Management", Prentice Hall of India.

Course Outcome:

After successful completion of this course, student should be able to

- 1. Define basic terms
- 2. Analyze the business environment in order to identify business opportunities
- 3. Identify the elements of success of entrepreneurial ventures
- 4. Consider the legal and financial conditions for starting a business venture
- 5. Evaluate the effectiveness of different entrepreneurial strategies
- 6. Specify the basic performance indicators of entrepreneurial activity
- 7. Explain the importance of marketing and management in small businesses venture
- 8. Design of model business plan.

Special Remarks (If any): NIL

Indian Constitution (MC 801A)

Course Code: MC 801A So			Indian Constitution Semester :VIII				
							Maximum M
			Teaching	Scheme		I	Examination
Theory:	3 hrs./week		N	Mid Semester	Exam.: 15	Marks	
Tutorial:	Nil		I A	Assignment &	Quiz: 10(=8+2) Marks	
				Attendance: 5	Marks	•	
Practical:	hr./week		F	End Semester	Exam.: 70 N	Marks	
Credit Po	ints: 0						
Objective	e:						
1		ose of this course i	is to provide unde	erstanding of l	Indian Const	titution structu	re and
1	The purpose of this course is to provide understanding of Indian Constitution, structure and						
	functioning of union, state and local self-government. This course will also provide an				111		
2	understan	understanding of structure, jurisdiction and function of Indian judiciary.					
3							
	• • •						
Pre-Requ		th					
1	History a	nd Civics at 10 th S	tandard				
2							
3							
End Sem	ester Exami	inations Scheme.	Maximum Mark	ks – 70. Time	allotted – 3	hrs.	
Groups	Units	Objective Ques	stions (MCQ	Subjective Questions			
		only with one o	correct answer)				
		No. of	Total marks	No. of	To	Marks per	Total marks
		questions to		questions	answer`	question	
		be set		to be set			
	 	10	10				I
A	1 to 4	10	10				
A B	1 to 4	10	10	6	3	5	15

- Only multiple choice type questions (MCQ) with one correct answer are to be set in the objective part.
- Specific instruction to the students to maintain the order in answering objective questions should be given on top of the question paper.

Unit	Content	Hrs/Unit	Marks/Unit
1	Indian Constitution		
1	Sources and constitutional history, Features: Citizenship, Preamble, Fundamental Rights and Duties, Directive Principles of State Policy.	7	18
2	Union government and its administration Structure of the Indian Union: Federalism, Centre- State relationship, President: Role, power and position, PM and Council of ministers, Cabinet and Central Secretariat, Lok Sabha, Rajya Sabha. State government and its administration Governor: Role and Position, CM and Council of ministers, State Secretariat: Organisation, Structure and Functions	8	22
3	Organization of supreme court, procedure of the court, independence of the court, jurisdiction and power of supreme court. High court Organization of high court, procedure of the court, independence of the court, jurisdiction and power of supreme court.	15	30

	Subordinate courts		
	Constitutional provision, structure and jurisdiction.		
	National legal services authority, Lok adalats, family courts, gram		
	nyayalays.		
	Public interest litigation (PIL): meaning of PIL, features of PIL,		
	scope of PIL, principle of PIL, guidelines for admitting PIL.		
	Local Administration		
	District's Administration head: Role and Importance,		
	Municipalities: Introduction, Mayor and role of Elected		
4	Representative, CEO of Municipal Corporation, Pachayati raj:	15	30
	Introduction, PRI: Zila Pachayat, Elected officials and their roles,		
	CEO Zila Pachayat: Position and role, Block level: Organizational		
	Hierarchy (Different departments), Village level: Role of Elected		
	and Appointed officials, Importance of grass root democracy.		
	Total	45	100

Text and reference books:

1. Indian polity, M, Laxmikanth, MC Graw Hill education, 5th Edition.

Course Outcome

After successful completion of this course, the students should be able to

- 1. To define, describe and list different articles of Indian constitution.
- 2. To describe power and functioning of Union, state and local self-government.
- 3. To describe structure, jurisdiction and function of Indian Judiciary.
- 4. To determine the steps of legal action and authority to redress a problem in the profession and in the society.

Special Remarks (If any): NIL

Essence of Indian Knowledge and Tradition (MC 801 B)

Name of t	Name of the Course:			Essence of Indian Knowledge and Tradition				
Course Code: MC 801 B			S	Semester: VIII				
Duration	Duration: 6 months				Maximum Marks: 70			
Teaching	Scheme		F	Examination	Scheme			
Theory:	3 hrs./week		N	Mid Semester	Exam.: 15	Marks		
Tutorial: 1	Nil		A	Assignment &	Quiz: =10(=	=8+2) Marks	S	
			Ā	Attendance: 5	Marks			
Practical:	hr./week		F	End Semester	Exam.: 70 N	Marks		
Credit Poi	ints: 0							
Objective	. •							
2	The course aims at imparting basic principles of thought process, reasoning and inferencing. Sustainability is at the core of Indian Traditional Knowledge Systems connecting society and nature. Holistic life style of Yogic-science and wisdom capsules in Sanskrit literature are also important in modern society with rapid technological advancements and societal disruptions. The course focuses on introduction to Indian Knowledge System, Indian perspective of				ture are also			
	modern so	cientific world-vie	w and basic princ	piples of Yoga	and holistic	health care sy	ystem.	
Pre-Requ	iisite:							
1	No							
2								
3								
End Semo	ester Exami	nations Scheme.	Maximum Mark	s – 70. Time	allotted - 3	hrs.		
Groups	Units	Objective Ques	Subjective	Questions				
		only with one c	orrect answer)					
		No. of	Total marks	No. of	To	Marks per	Total marks	
		questions to		questions	answer`	question		

		be set		to be set			
A	1 to 4	10	10				
В	1 to 4			6	3	5	15
C	1 to 4			6	3	15	45

- Only multiple choice type questions (MCQ) with one correct answer are to be set in the objective part.
- Specific instruction to the students to maintain the order in answering objective questions should be given on top of the question paper.

Unit	Content	Hrs/Unit	Marks/Unit
1	Basic Structure of Indian Knowledge System		
	(i) Veda		
	(ii) Upa-Veda		
	(iii) Vedanga		
	(iv) Upanga		
2	Modern Science and Indian Knowledge System		
3	Yoga and Holistic Health care		
4	Case Studies		
	Total		

Text and reference books:

- 1. Sivaramakrishna V. (Ed.), Cultural Heritage of India- Course Material, 5th Edition, Bharatiya Vidya Bhavan, Mumbai,2014.
- 2. Jitatmanand S., Modern Physics and Vedant, Bharatiya VidyaBhavan.
- 3. Capra F., Tao of Physics.
- 4. Capra F., The wave of Life.
- 5. Jha V.N., Tarkasangraha of Annam Bhatta (Eng. Trans), International Chinmay Foundation, Velliarnad, Amaku.
- 6. Yoga Sutra of Patanjali, Ramakrishna Mission, Kolkata.
- 7. Jha G.N. and Jha R.N. (Ed.), Yoga-Darshanam with Vyasa Bhashya (Eng. Trans.), Vidyanidhi Prakasham, Delhi,2016.

- 8. Jha R.N., Science of Consciousness Psychotherapy and Yoga Practices, Vidyanidhi Prakasham, Delhi,2016.
- 9. Sharma P.R., Shodashang Hridayam (Englishtranslation).

Course Outcome:

After successful completion of this course, the students should be able to

1. To understand, connect up and explain basics of Indian Traditional knowledgemodern scientific perspective.

Special Remarks (If any): NIL.

Product Design LAB (PC TT 891)

Name of the Course:		Product Design Lab		
Course (Code: PC TT 891	Semester: VIII		
	a: 6 months	Maximum Marks: 100		
	Scheme	Examination Scheme		
Theory:	hrs./week	Continuous Internal Assessment: 40		
Tutorial		External Assessment: 60		
	l: 2 hr./week	Distribution of marks:		
Credit P		2.20.10.10.01.01.02		
	VIII. 1			
Course (Dutcomes: After successful application	of the course student should be able to		
	11			
1		cts taught in other previous semesters in		
	conceptualized design of a product			
2	Make judgments regarding criteria a	and standards related an application field of a		
	product			
3	Select raw materials for a product or structure			
4	Design suitable planning for a produc	t		
5	Acquire knowledge about manufact	uring and cost of customization of developed		
	product			
Pre-Req	uisite:			
1	All core subjects up to 7 th Semester, H	M 301		
2				
3				
Practical	! :			
		1) Intellectual skills- Innovativeness,		
		Consumer psychology, Colour		
		psychology, Conceptual, Trendsetter,		
		Forecaster, 70%		
		1.5.5		

2) Motor skill- Actualisation of Design			
Concept, Display Skills – 30%.			

Laborator	Laboratory Experiment:		
1	Design of a product with given end use –range of parameter required		
	Selection of fibre,		
	Selection yarn		
	Selection of fabric		
	Selection of wet processing for the fabric (from preparatory to finishing) based on		
	standard techniques with a consideration of product specification and quality.		
	Submission of design process and planning, layout in hard copy to the department		
2	Presentation by a seminar and subsequent evaluation.		
The above	list is not exhaustive. Additional laboratory work or experiments can be planned to		
consolidate	the theoretical work and to emphasise the activities for doing rather than the		
knowing.			

Project 2 (PW TT 881) 14 hrs/week