# M.L. Dahanukar College of commerce

Teaching plan 2019-20

Subject: Business Economics Department: Economics

Class: T Y B.Com SEM V Office hours: 7:30 am – 12.30 pm **D.D.SAVALE** 1 lecture on every division per week

Rachanajoshi1 lecture on every division per week

**RakeshPise** 1 lecture on every division per week

First	term	Semester IV		
Sr. No.	Topic	Sub-topics	Number of lectures	Number of weeks
1.	Module - I Macroeconomics overview of India	New economic policy1991 Sustainable development goals and policy measures Foreign Investment Policy Measures in India	15	RakeshPise Jun -19 July -19 Aug-19 Sep-19
2.	Module II Agriculture During post reform period	National Agricultural policy 2000 Agricultural pricing and agricultural finance Agricultural marketing Development	10	Mrs.Rachanajoshi Jun 18 July -18 Aug-18 Sep-18
3.	Module III The Industry and service sector during post reform period	Policy measures –competition act 2002 Industrial pollution in india Service sector	10	D.D.SAVALE Jun 19 July -19 Aug-19 Sep-19
4	Module - IV Banking and financial Market	Banking sector Money market Capital market	10	D.D.SAVALE Mrs.Rachanajoshi RakeshPise Sep.19

# M.L. Dahanukar College of commerce

### Teaching plan 2017-18

Subject: BUSINESS ECONOMICS **SEM VI** Department: **Economics** Class: TY B.Com Office hours: 7:30 am – 12.30 pm

D.D.SAVALE

1 lectures on every division per week
RACHANA JOSHI

1 lectures on every division per week
RAKESH PISE

1 lectures on every division per week
1 lectures on every division per week

First	term	Semester VI	•	
Sr. No.	Topic	Sub-topics	Number of lectures	Number of weeks
1	Module I Introduction to International Trade	Theories of International Trade  Terms of Trade  Gains From Trade with offer curse	10	D.D.SAVALE Nov-19 Dec 19 Jan 20
2	Module II Commercial policy	Commercial policy  Tariff and non tariff barriers  International economic integratio	10	Rachana Joshi Nov-19 Dec 19 Jan 20
3	MODULE 3 BOP AND INTERNATIONAL ECONOMIC ORGANIZATION	Concept and structure of BOP Causes of disequilibrium Measures to correct disequilibrium in BOP WTO agreement with reference to TRIM'S, TRIP'S AND GATS	15	RakeshPise Nov-19 Dec 19 Jan 20
4	MODULE 4 Foreign Exchange Market	foreign exchange market Purchasing power parity theory Role of Central Bank RBI intervention in foreign exchange rate management	10	D.D. Savale Rachana Joshi RakeshPise FEB 20 MARCH 20

# 3. Export Marketing Paper - I

Subject: **Export Marketing** Department: Commerce

Class: T.Y B.Com Office hours: 7:30 am – 12.30 pm

Lecture hours: 48 min per lecture 3 lectures on two division per week

#### Name of the teachers:

#### • Dr. (Mrs) Kanchan S. Fulmali

Basic course information: Title-Export Marketing

#### **OBJECTIVES:**

To get students acquainted with-

- India's Export Marketing potential
- Practical significance of Export Marketing
- Conceptual understanding and clarity of terminology used in Export Marketing

Supplies: College library, Private publishers, Personal material, Internet

### **Outline of lecture schedule: 30 weeks**

First	term	Semester V 45 lectures 15 w	eeks	
Sr.	Topic	Sub-topics	Number	Number of
No.			of	weeks
			lectures	
1.	Module – I	a) Concept and features of Export Marketing;	4	
	Introduction to	Importance of Exports for a Nation and a Firm;		
	Export	Distinction between Domestic Marketing and		June
	Marketing:	Export Marketing		2 weeks
	_	b) Factors influencing Export Marketing; Risks	_	July
		involved in Export Marketing; Problems of India's	4	2 Weeks
		Export Sector		(10)
		c) Major merchandise/commodities exports of	4	(12 Lectures)
		India (since 2015); Services exports of India (since	4	
		2015); Region-wise India's Export Trade (since		
		2015)		
2.	Module – II	a) Trade barriers; Types of Tariff Barriers and Non-	4	
	Global	Tariff barriers; Distinction between Tariff and Non-		July
	Framework for	Tariff barriers		2 weeks
	Export	b) Major Economic Groupings of the World;		July- Aug
	Marketing	Positive and Negative Impact of Regional Economic	4	1 Week
		Groupings; Agreements of World Trade		Aug
		Organisation (WTO)		1 Week (2
		c) Need for Overseas Market Research; Market	2	Lecturs)
		Selection Process, Determinants of Foreign Market	3	(11 Lectures)
		Selection		
3.	Module – III	a) Foreign Trade Policy (FTP) 2015-20 - Highlights		Aug
	India's Foreign	and Implications, Export Trade facilitations and	4	1week (1

	Trade Policy	ease of doing business as per the new FTP b) Role of Directorate General of Foreign Trade (DGFT), Negative list of Exports, Deemed Exports c) Benefits to Status Holders & Towns of Excellence; Common benefits for EHTP, BTP and	3	Lecture) 2 Weeks (5 Lectures) Sept 2 Weeks
		STP; Benefits enjoyed by (IIAs) Integrated Industrial Areas(SEZ), EOU, AEZ	4	(6 holidays) (11 Lectures)
4	Module – IV Export Incentives and Assistance	a. Financial Incentives available to Indian Exporters - Marketing Development Assistance (MDA), Market Access Initiative (MAI), Assistance to States for Infrastructure Development for Exports (ASIDE), Industrial Raw Material Assistance Centre(IRMAC), b. Institutional Assistance to Indian Exporters - Federation of Indian Export Organisations (FIEO), India Trade Promotion Organisation (ITPO), The Federation of Indian Chambers of Commerce and Industry (FICCI), Export Promotion Councils (EPCs) & Commodity Boards (CBs), Indian Institute of Foreign Trade (IIFT), Indian Institute of Packaging (IIP) c. Schemes - Export Promotion Capital Goods (EPCG) Scheme, Duty Exemption and Remission Schemes, Export Advance Authorisation Scheme; Duty Drawback (DBK); IGST Refund for Exporters	4	Sept 2 Weeks Oct 2 weeks (11 Lectures)
	Second	term Semester VI45 lectures 15	weeks	
1	Module – I Product Planning and Pricing Decisions for	a) Planning for Export Marketing with regards to Product, Branding, Packaging b) Need for Labelling and Marking in Exports, Factors determining Export Price; Objectives of Export Pricing	3	Nov 1 week Dec
	Export Marketing	c) International Commercial (INCO) Terms; Export Pricing Quotations – Free on Board (FOB), Cost Insurance and Freight (CIF) and Cost and Freight (C&F); Problems on FOB quotation	5	2 weeks 1 Week (2 letcures) (11 Lectures)
2	Module – II Export Distribution and Promotion	a) Factors influencing Distribution Channels; Direct and Indirect Exporting Channels; Distinction between Direct and Indirect Exporting Channels b) Components of Logistics in Export marketing; Selection criteria of Modes of Transport; Need for Insurance in Export Marketing c) Sales Promotion Techniques used in Export Marketing; Importance of Trade Fairs and	4	Dec 1 week ( 1 Lecture) Jan 3 weeks Last week 1 Lectures

		Exhibitions; Benefits of Personal Selling; Essentials of Advertising in Export Marketing;	4	(11 Lectures)
3	Module – III Export Finance	a) Methods of Payment In export marketing; Procedure to open Letter of Credit, Types and Benefits of Countertrade b) Features of Pre-Shipment and Post-shipment finance; Procedure to obtain Export Finance;	3	Jan Last week 2 Lectures Feb
		Distinction between Pre-shipment Finance and Post Shipment Finance. c) Role of Commercial Banks, EXIM Bank, SIDBI in financing exporters; Role of ECGC	3	3 Weeks (11 Lectures)
4	Module – IV  Export	a. Registration with different authorities; Pre- shipment Procedure involved in Exports; Procedure of Quality Control and Pre-shipment Inspection;	3	Feb 1 weeks
	Procedure and Documentation	b. Shipping and Custom Stage Formalities; Role of Clearing & Forwarding Agent; Post-shipment Procedure for Realisation of Export Proceeds; Procedure of Export under Bond and Letter of	5	March 2 weeks & 1 Week (2 lectures)
		Undertaking. (LUT) c. Importance of - Commercial Invoice cum Packing list, Bill of Lading/ Airway Bill, Shipping Bill/Bill of Export, Consular Invoice, Certificate of Origin	3	(11 Lectures)

# **Marketing/Human Resource Management**

Subject: MHRM Department: Commerce

Class: T.Y B.Com Office hours: 7:30 am – 12.30 pm Lecture hours: 48 minper lecture (1 lectures on every division per week By each teacher)

Name of the teachers:

• Dr. (Mrs) Kanchan S. Fulmali

• Smt. Nita A. Nerurkar

• Smt. Kavita Desai

Basic course information: Title-MHRM

#### **OBJECTIVES:**

To get students acquainted with-

- The basic concept of MIS and MR
- Difference between MIS and MR
- Concept, factors and steps of Consumer behaviour
- Importance of Market segmentation and product positioning
- Component of logistic and elements of promotion
- Role of HRM in business
- Comparison between Traditional and Strategic Human Resource Management

### Challenges of HR

Supplies: College library, Private publishers, Personal material, Internet

### **Outline of lecture schedule: 30 weeks**

Firs	t term	Semester V 15 lectur	es 15 v	weeks
Sr	Topic	Sub-topics	NO.	Number of
No.			Lect.	weeks
1.	Module- I	a) Marketing, Concept, Features, Importance, Functions,	4	June
	Introduction	Evolution, Strategic v/s Traditional Marketing		2 Weeks
	to Marketing	b) Marketing Research - Concept, Features, Process	3	July
	(T. T. I. III)	Marketing Information System-Concept, Components		4 Weeks
	(Dr.Fulmali)	Data Mining- Concept, Importance		Aug
		C) Consumer Behaviour- Concept, ,Factors influencing	_	4 Weeks
		Consumer Behaviour	5	Sept 3 Week
		Market Segmentation- Concept, Benefits, Bases of market		6 holidays
		segmentation		(12 Lectures)
		Customer Relationship Management- Concept, Techniques		(12 Lectures)
		Market Targeting- Concept, Five patterns of Target market		
		Selection		
2.	<b>Module II</b>	a)Marketing Mix- Concept,	5	June
		Product- Product Decision Areas		2 Weeks
	Marketing	Product Life Cycle- Concept, Managing stages of PLC		July
	<b>Decision- I</b>	Branding- Concept , Components		4 Weeks
		Brand Equity- Concept , Factors influencing Brand Equity		Aug
	(Smt.	b) Packaging- Concept , Essentials of a good package	_	4 Weeks
	Nerurkar)	Product Positioning- Concept, Strategies of Product	3	Sept
		Positioning		2 Weeks
		Service Positioning- Importance & Challenges		6 holidays (11 Lectures)
		c)Pricing- Concept, Objectives, Factors influencing Pricing,	3	(11 Lectures)
		Pricing Strategies	3	
3.	Module III	a)Physical Distribution- Concept, Factors influencing Physical	4	June
		Distribution, Marketing Channels (Traditional &		2 Weeks
	Marketing	Contemporary Channels)		July
	<b>Decision- II</b>	Supply Chain Management-Concept, Components of SCM		4 Weeks
		b)Promotion- Concept, Importance, Elements of Promotion		Aug
		mix		4 Weeks
	(Smt. Desai)	Integrated Marketing Communication (IMC)- Concept,	_	Sept
		Scope ,Importance	4	2 Weeks
		c) Sales Management- Concept, Components, Emerging		6 holidays
		trends in selling		(11 Loctures)
		Personal Selling- Concept , Process of personal selling, Skill	3	(11 Lectures)
		Sets required for Effective Selling	٦	
2.	Module - IV	a)Marketing Ethics: Concept, Unethical practices in	4	Sept

	Key	marketing, General role of consumer organizations		2 Weeks
	Marketing	Competitive Strategies for Market Leader, Market		2 WEEKS
	Dimensions	· · · · · · · · · · · · · · · · · · ·		Oct
	Smt. Desai	Challenger, Market Follower and Market Nicher Marketing		2 Weeks
	Sint. Desai	Ethics:		(4 Lectures)
		h) Bural Manhatina Caracat Factures of Indian Bural		(4 Ecctures)
		b) Rural Marketing- Concept, Features of Indian Rural		Sept
	Smt.	Market, Strategies for Effective Rural Marketing	3	2 Weeks
	Nerurkar	Digital Marketing-Concept, trends in Digital Marketing		Oct
	1,01,011,100	Green Marketing- concept, importance		2 Weeks
				(3 Lectures)
		c)Challenges faced by Marketing Managers in 21st Century		(5 Lectures)
		Careers in Marketing – Skill sets required for effective		Sept
		marketing		2 Weeks
	Dr.Fulmali	Factors contributing to Success of brands in India with		Oct
		suitable examples, Reasons for failure of brands in India	4	2 Weeks
		with suitable examples	~	(4 Lectures)
Sec	ond term	Semester VI15 lectures 15 weeks		( Lectures)
1	Module - III	a) Human Resource Management – Concept, Functions,		Nov
_	Wioduic - III	Importance, Traditional v/s Strategic Human Resource	4	1week
	Human	Management	-	Dec
	Resource	_		3 Weeks
	Management	b) Human Resource Planning- Concept Steps in Human	4	Jan
	Management	Resource Planning	-	4 Weeks
	Smt. Kavita	Job Analysis-Concept, Components, Job design- Concept,		Feb
	Desai	Techniques	3	3 Weeks
	Desai	c) Recruitment- Concept, Sources of Recruitment		(11 Lectures)
		Selection - Concept , process , Techniques of E-selection,		
2	Module - II.	a)Human Resource Development- Concept, functions	5	Nov
	Human	Training- Concept, Process of identifying training and		1week
	Resource	development needs, Methods of Training & Development		Dec
	Development	(Apprenticeship, understudy, job rotation, vestibule training,		3 Weeks
		case study, role playing, sensitivity training, In, basket,		Jan
		management games)		4 Weeks
		Evaluating training effectiveness- Concept, Methods		Feb
	Dr.Fulmali	b) Performance Appraisal- Concept, Benefits, Limitations,		3 Weeks
	Di .i uillian	Methods	4	(12 Lectures)
		Potential Appraisal-Concept, Importance		
		c) Career Planning- Concept, Importance		
		Succession Planning- Concept, Need	3	
		Mentoring- Concept, Importance		
		Counseling- Concept, Techniques.		
3.	Module - III	a) Human Relations- Concept, Significance	4	Nov
٥.	Pioduic III	Leadership –Concept, Transactional & Transformational	'	1week
	Human	Leadership		Dec
	Relations			3 Weeks
		Motivation- Concept, Theories of Motivation, (Maslow's		Jan
		Need Hierarchy Theory, Vroom's Expectancy Theory,		3311

		McCrogar's Thoony V and Thoony V Dink's Thoony of		4 Weeks
		McGregor's Theory X and Theory Y, Pink's Theory of		4 weeks Feb
		Motivation)		3 Weeks
		b) Employees Morale- Concept, Factors affecting Morale,	4	(12 Lectures)
		Measurement of Employees Morale Emotional Quotient and	4	(12 Lectures)
		Spiritual Quotient- Concept, Factors affecting EQ & SQ		
		c) Employee Grievance- Causes, Procedure for Grievance		
		redressal	3	
		Employee welfare measures and Healthy& Safety Measures.	3	
4.	Module - IV	a) HR in changing environment:	3	Feb
	Trends In	Competencies- concept, classification		1 Week
	Human	Learning organizations- Concept, Creating an innovative		March
	Resource	organization,		2 weeks
	Management	Innovation culture- Concept, Need, Managerial role.		(3 Lectures)
	Smt. Desai			
		b) Trends in Human Resource Management,:		
		Employee Engagement- Concept, Types		Feb
		Human resource Information System (HRIS) – Concept,	4	1 Week
	G 4	Importance,		March
	Smt.	Changing patterns of employment.		3 weeks
	Nerurkar	and the second of an entrolyment		(4 Lectures)
		c) Challenges in Human Resource Management: Employee		
		Empowerment, Workforce Diversity. Attrition, Downsizing,		Feb
	Dr.Fulmali	Employee Absenteeism, Work life Balance, Sexual	4	1 Week
	Di .F uilliali	Harassment at work place, Domestic and International HR		March
		• •		3 weeks
		Practices, Millennial (Gen Y)Competency Mapping		(4 Lectures)

# M. L. Dahanukar College of Commerce

Teaching Plan (2019-20)

Sub: Financial Accounting & Auditing - Paper VII

Class: T.Y.Bcom Sem - V

No. of Lectures - 04 in week per Divsion (share 50:50)

Month	Week	Ms. Varsha Madhavan	Mr. Samrat Ashol
Inno	3	Introduction of Company Fianl Accounts+Format of Revised	
June	3	Schedule VI (Balance Sheet)	Introduction of Pe
		Practical Question based on Balance Sheet	Format, Cost of A
	4	Practical Question based on Balance Sheet	Practical Question
July	1	Format of Revised Schedule VI (Revnue Statement)	Practical Question
	2	Practical Question based on Revenue Statement	Practical Question
	3	Practical Question based on Revenue Statement	Practical Question
	4	Practical Question based on Balance Sheet and	
	4	Revenue Statement (Combined Problems)	(Including realted

Aug	1	Introduction to Internal Reconstruction + Concept Attainmnet	Prcatical Problems
	2	Practical Question based on Internal Reconstruction	Prcatical Problems
	3	Break for Kurukhsheta	Break for Kuruks
	4	Practical Question based on Internal Reconstruction	Prcatical Problems
			Prcatical Problems
Sept	1	Practical Question based on Internal Reconstruction	Introduction to Et
	2	Mid Term Break	
	3	Revision on Company Final Accounts	Finacial Reports -
	4	Revision on Internal Reconstruction	AS setting process
			Revision

M. L. Dahanukar College of Con

Teaching Plan (2018-19)
Sub: Financial Accounting & Auditir
Class: T.Y.Bcom Sem - V

No. of Lectures - 04 in week per Divsio

Month	Week	Ms. Pallavi Omkar Sawant	Mr. Samrat Ashok Ga
Nov	4	Introduction to underwriting commission, provision laid by companies act with respect to payment of underwriting commission, types of underwriting, etc	AS - 14 Amalgamation
	1	Practical problems	Meaning and Computa
Dec	2	Practical problems	Accoutning Treatment
	3	Practical problems	Problems based on Pur
	4	Break For Winter	
Jan	1	Introduction to the chapter underwriting og shares and debentures, Meaning of liquidation or winding up, Preferential payments and Overriding preferential payments	Problems based on Pur
	2	Preparation of statement of affairs, deficit/surplus account	Problems based on Pur
	3	final statement of account/pratical problems	Problems based on Pur of Balance Sheet
	4	Practical problems	Problems based on Pur of Balance Sheet
Feb	1	Introduction to Accounting for limited liability Partnership	Accounting of Transac
	2	Statutory Provisions + Conversion of Partnership firm into LLP	Meaning and Explanat
	3	Final Accounts/pratical problems	Accounting Treatment

	4	Final Accounts/practical problems	Accounting Treatment
March	1	Final Accounts/practical problems	Accounting Treatment
	2	REVISION	Revisions
		M. L. Dahanukar College	

Teaching Plan (2019-20)

Sub: Cost Accounting paper VI Class: T.Y.Bcom Sem - V

Name of Teacher: Sahifa Moosa Muradbi Mazgaonkar No. of Lectures - 02 in

week

Sahifa Munesh

Saillia Mullesii				1110116511
Sr. No	Week	Month	Topics	Topics
			Material Cost: Procuremnent Procedure- Store procedure and documentation in respect of receipts and issue of stock, stok verification, Inventory control techniques: Levels of Inventory, EOQ, ABC Analysis, Stock taking and Perpetual	Introduction to Cost
1	3	June	Inventory system	Accounting
2	4	June	Pratical Questions based on EOQ, Turnover Ratio, Store Ledger, Inventory Valuation	(a) Objectives and scope of Cost Accounting (b) Cost centres and Cost units (c) Cost classification for stock valuation, Profit measurement, Decision making and
3	1	July	Pratical Questions based on EOQ, Turnover Ratio, Store Ledger, Inventory Valuation	Coding systems (e) Elements of Cost (f) Cost behaviour pattern, Separating the components of semi- variable costs
4	2	July	Pratical Questions based on EOQ, Turnover Ratio, Store Ledger, Inventory Valuation	Classification of costs, Cost of Sales, Cost Centre, Cost Unit, Profit Centre and Investment

			Pratical Questions based on	Cost Sheet, Total Costs and
_	2	Links	EOQ, Turnover Ratio, Store	Unit Costs, Different Costs for
5	3	July	Ledger, Inventory Valuation	different purpose
			Pratical Questions based on	
			EOQ, Turnover Ratio, Store	- Simple practical problems on
7	1	Aug	Ledger, Inventory Valuation	preparation of cost sheet
			Pratical Questions based on	
			EOQ, Turnover Ratio, Store	- Simple practical problems on
8	2	Aug	Ledger, Inventory Valuation	preparation of cost sheet
			,	
			Bratical Overtions based on	
			Pratical Questions based on EOQ, Turnover Ratio, Store	- Simple practical problems on
9	3	Aug	Ledger, Inventory Valuation	preparation of cost sheet
<u> </u>	,	Aug	Leager, inventory valuation	preparation of cost sheet
			Pratical Questions based on	
			EOQ, Turnover Ratio, Store	- Simple practical problems on
10	4	Aug	Ledger, Inventory Valuation	preparation of cost sheet
10	7	, , , , ,	Overheads: Introduction,	preparation or cost sheet
			Functional Analysis,	
			Behavioural Analysis, Basic	
			Concept of Over absorption	- Simple practical problems on
11	1	Sep	and under absorption	preparation of cost sheet
			Pratical Questions based on	
			Departmentalisation and	
			apportionment of primary	Reconciliation of cost and
12	2	Sep	overhead rates.	financial accounts
13	3	Sep	Pratical Questions based on	Practical problems based on

			Departmentalisation and apportionment of primary overhead rates.	Reconciliation of cost and Financial accounts.
14	4	Sep	Pratical Questions based on Departmentalisation and apportionment of primary overhead rates.	Practical problems based on Reconciliation of cost and Financial accounts.
15	1	Oct	Pratical Questions based on Departmentalisation and apportionment of primary overhead rates.	Practical problems based on Reconciliation of cost and Financial accounts.

M. L. Dahanukar College

Teaching Plan (2019-

20)

Sub: Cost Accounting paper IX Class: T.Y.Bcom Sem - VI

Name of Teacher: Mr. Sahifa Moosa Muradbi Mazgaonkar No. of Lectures - 04 in week

Mr. Munesh Save

Sr. No	Week	Month	Topics	Topics
			Cost Control Accounts: Theory Costing Books,	
			Advantages and Disadvantages, Legders and	
1	3	November	Principal Accouts and Practical Questions based on Cost Control Accounts	Process Costing
		- resterniser	on east control vices unto	1 1 occss costing
				Process loss, Abno
			Practical Questions based on Cost Control	Joint products and
2	4	November	Accounts	Equivalent units, In
				6. 1.5
_	4	Danamahan	Contract Costing: Theory and Practical Questions	Simple Practical pro
3	1	December	based on Contract Costing	and joint and by-pr
				Simple Practical pr
4	2	December	Practical Questions based on Contract Costing	and joint and by-pr

5	3	December	Practical Questions based on Contract Costing	Simple Practical pro and joint and by-pr
			Drocoss Costings Theory and Brastical Oscitions	Simple Drastical pr
6	1	January	Process Costing: Theory and Practical Questions based on Process Costing	Simple Practical pro and joint and by-pr
7	2	January	Practical Questions based on Process Costing	Some Emerging col
8	3	January	Practical Questions based on Process Costing	Target Costing
9	4	January	Practical Questions based on Process Costing	Life cycle Costing B
10	1	February	Practical Questions based on Process Costing	ABC Costing
11	2	February	Practical Questions based on Process Costing	Introduction to Ma and Practical Quest Costing
12	3	February	Introduction to Standard Costing: Theory and Practical Questions based on Standard Costing	Practical Questions Costing
13	4	February	Practical Questions based on Standard Costing	Practical Questions Costing
14	1	March	Practical Questions based on Standard Costing &	Practical Questions Costing

				Practical Questions
15	2	March	Some Emerging Concepts of Cost Accounting	Costing

# Teaching Plan for the Academic Year 2019-20

Class: T.Y..B.Com. Subject: Elements of Operations Research

Total No. of Lectures Expected to be Conducted: 45

# Semester -v

Month & No. of Expected Workings Days In the Month.	Name of the Topic	Method of Teaching	No. of Lectures	Total No. of Lectures Expected To Be Conducted In The Month
June 2015 –	11	Lecture		9
(19 Working Days)	<ul> <li>Unit- I</li> <li>Introduction:         <ul> <li>Meaning and scope of Operations Research,</li></ul></li></ul>	Method using chalk and talk.	5	
July 2015- (28 Working Days)	Replacement Theory:  Replacement of item that fail completely using individual and group replacement.  Unit-II Linear Programming:  Mathematical formulation of LPP.  Solution to the LPP using Graphical Method.  Simplex Method and Big M Method	Lecture Method using chalk and talk. In addition to chalk and talk method	2 2 5	12

August 2015- (18 Working Days)	<ul> <li>Unit-II Linear Programming:         <ul> <li>Duality in LPP</li> <li>Detection of optimum solution to primal using optimum solution of the dual.</li> </ul> </li> <li>Unit- III Transportation Problem         <ul> <li>Description and formulation of transportation problem</li> <li>Initial solution on TP by i) NWCM ii) LCEM iii) VAM.</li> <li>Solution by MODI method</li> </ul> </li> </ul>	solution using TORA  Lecture Method using chalk and talk. In addition to chalk and talk method solution using TORA	1 2 1 3 2	9
September 2015- ( 20 Working Days)	Unit- III Transportation Problem  Solution by MODI method Existence of Alternate optimum solution Impact of change in some cost coefficients on optimum solution. Maximization type Problems Unbalanced transportation problems  Examinations and assessment	Lecture Method using chalk and talk. In addition to chalk and talk method solution using TORA	2 2 1 2 2	9
9October 2015	Examinations and assessment			

# T.Y.B.Com. Applied Component

# **Elements of Operations of Research – Sem.- VI**

<u>Unit l</u>	: CPM & PBRT		
1.	Critical path method, Project evaluation and Review Techniques,	-	3 lectures
	Calculations of earliest time, latest time, different floats.		
2.	Three time estimates with Normal Probability distribution	-	6 lectures
	of expected time of activities.		
3.	Crashing of activities systematically to reduce cost and time	-	6 lectures
Unit 1	II: Inventory Management		
1.	Basic concepts, introduction, types of inventory, lead time, safety stock,	-	3 lectures
	Reorder level.		
2.	EOQ model	-	3 lectures
3.	EOQ model with price discount	-	3 lectures
4.	EOQ model with planned shortages	-	3 lectures
Unit 1	III : Game Theory		
1.	Introduction of Game theory, Pay offs, Zero sum game	-	3 lectures
2.	Minimax and maximum approach of solving game using Saddle points	-	3 lectures
3.	Principal of dominance and method of solving 2 x 2 zero sum game.	-	3 lectures
4.	Graphical method of solving 2 x n and m x 2 game.	-	3 lectures