

TYBCOM

## M.L. Dahanukar College of commerce

### Teaching plan 2018-19

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

**Rachanajoshi** 1 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.	<b>Module - I</b> Macroeconomics overview of India	New economic policy 1991 Sustainable development goals and policy measures Foreign Investment Policy Measures in India	15	RakeshPise Jun 18 July -18 Aug-18 Sep-18
2.	<b>Module II</b> <b>Agriculture</b> <b>During post</b> <b>reform period</b>	National Agricultural policy 2000 Agricultural pricing and agricultural finance Agricultural marketing Development	10	Mrs.Rachanajoshi Jun 18 July -18 Aug-18 Sep-18
3.	<b>Module III</b> <b>The Industry and</b> <b>service sector</b> <b>during post</b> <b>reform period</b>	Policy measures –competition act 2002 Industrial pollution in india Service sector	10	D.D.SAVALE Jun 18 July -18 Aug-18 Sep-18
4	<b>Module - IV</b> <b>Banking and</b> <b>financial Market</b>	Banking sector Money market Capital market	10	D.D.SAVALE Mrs.Rachanajoshi RakeshPise Sep.18

# 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

First term		Semester VI		
Sr. No.	Topic	Sub-topics	Number of lectures	Number of weeks
1	<b>Module I Introduction to International Trade</b>	Theories of International Trade  Terms of Trade  Gains From Trade with offer curve	<b>10</b>	D.D.SAVALE Nov-18 Dec 18 Jan 19
2	<b>Module II Commercial policy</b>	Commercial policy  Tariff and non tariff barriers  International economic integratio	<b>10</b>	<b>Rachana Joshi</b> Nov-18 Dec 18 Jan 19
3	<b>MODULE 3 BOP AND INTERNATIONAL ECONOMIC ORGANIZATION</b>	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	<b>RakeshPise</b> Nov-18 Dec 18 Jan 19
4	<b>MODULE 4 Foreign Exchange Market</b>	foreign exchange market Purchasing power parity theory Role of Central Bank RBI intervention in foreign exchange rate management	<b>10</b>	D.D. Savale Rachana Joshi RakeshPise FEB 19 MARCH 19

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

	<b>Trade Policy</b>	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 STP; Benefits enjoyed by (IIAs) Integrated Industrial Areas(SEZ), EOU, AEZ	3 4	Lecture) 2 Weeks (5 Lectures) Sept 2 Weeks (6 holidays)  (11 Lectures)
4	<b>Module – IV Export Incentives and Assistance</b>	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  4  3	Sept 2 Weeks Oct 2 weeks  (11 Lectures)
<b>Second term Semester VI 45 lectures 15 weeks</b>				
1	<b>Module – I Product Planning and Pricing Decisions for Export Marketing</b>	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 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	3 3 5	Nov 1 week Dec 2 weeks 1 Week (2 lectures) (11 Lectures)
2	<b>Module – II Export Distribution and Promotion</b>	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	3 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	<b>Module – III Export Finance</b>	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; Distinction between Pre-shipment Finance and Post Shipment Finance. c) Role of Commercial Banks, EXIM Bank, SIDBI in financing exporters; Role of ECGC	3 5 3	Jan Last week 2 Lectures Feb 3 Weeks  (11 Lectures)
4	<b>Module – IV  Export Procedure and Documentation</b>	a. Registration with different authorities; Pre-shipment Procedure involved in Exports; Procedure of Quality Control and Pre-shipment Inspection; 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 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 5 3	Feb 1 weeks March 2 weeks & 1 Week (2 lectures)  (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 min per 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

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

**Outline of lecture schedule: 30 weeks**

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

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

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

## M. L. Dahanukar College of Commerce

Teaching Plan ( 2018-19)

Sub : Financial Accounting & Auditing - Paper VII

Class : T.Y.Bcom Sem - V

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

Month	Week	Ms. Varsha Madhavan	Mr. Samrat Ashok
June	3	Introduction of Company Financial Accounts+Format of Revised Schedule VI (Balance Sheet) Practical Question based on Balance Sheet	Introduction of Periodic Format , Cost of Accounts
	4	Practical Question based on Balance Sheet	Practical Question based on Balance Sheet
July	1	Format of Revised Schedule VI (Revenue Statement)	Practical Question based on Revenue Statement
	2	Practical Question based on Revenue Statement	Practical Question based on Revenue Statement
	3	Practical Question based on Revenue Statement	Practical Question based on Revenue Statement
	4	Practical Question based on Balance Sheet and Revenue Statement (Combined Problems)	Buy Back of Shares (Including related)

<b>Aug</b>	1	Introduction to Internal Reconstruction + Concept Attainment	Practical Problems
	2	Practical Question based on Internal Reconstruction	Practical Problems
	3	<b>Break for Kurukshetra</b>	<b>Break for Kurukshetra</b>
	4	Practical Question based on Internal Reconstruction	Practical Problems
<b>Sept</b>	1	Practical Question based on Internal Reconstruction	Introduction to Et
	2	<b>Mid Term Break</b>	
	3	Revision on Company Final Accounts	Financial Reports -
	4	Revision on Internal Reconstruction	AS setting process Revision

M. L. Dahanukar College of Commerce  
Teaching Plan (2018-19)  
Sub : Financial Accounting & Auditing  
Class : T.Y.Bcom Sem - V  
No. of Lectures - 04 in week per Division

Month	Week	Ms. Pallavi Omkar Sawant	Mr. Samrat Ashok Ga
<b>Nov</b>	4	Introduction to underwriting commission, provision laid by companies act with respect to payment of underwriting commission, types of underwriting, etc	AS - 14 Amalgamation
<b>Dec</b>	1	Practical problems	Meaning and Computa
	2	Practical problems	Accounting Treatment
	3	Practical problems	Problems based on Pur
	4	<b>Break For Winter</b>	
<b>Jan</b>	1	Introduction to the chapter underwriting of 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/practical problems	Problems based on Pur of Balance Sheet
	4	Practical problems	Problems based on Pur of Balance Sheet
<b>Feb</b>	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/practical problems	Accounting Treatment

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

Teaching Plan ( 2018-19)

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
Sr. No	Week	Month	Topics	Topics
1	3	June	<b>Material Cost:</b> Procurement Procedure- Store procedure and documentation in respect of receipts and issue of stock, stock verification, Inventory control techniques: Levels of Inventory, EOQ, ABC Analysis, Stock taking and Perpetual Inventory system	Introduction to Cost Accounting
2	4	June	Practical 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	Practical 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	Practical Questions based on EOQ, Turnover Ratio, Store Ledger, Inventory Valuation	Classification of costs, Cost of Sales, Cost Centre, Cost Unit, Profit Centre and Investment

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

			Departmentalisation and apportionment of primary overhead rates.	Reconciliation of cost and Financial accounts.
14	4	Sep	Practical Questions based on Departmentalisation and apportionment of primary overhead rates.	Practical problems based on Reconciliation of cost and Financial accounts.
15	1	Oct	Practical 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 ( 2018-19)

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
1	3	November	Cost Control Accounts: Theory Costing Books, Advantages and Disadvantages, Ledgers and Principal Accounts and Practical Questions based on Cost Control Accounts	Process Costing
2	4	November	Practical Questions based on Cost Control Accounts	Process loss, Abnormal loss, Joint products and Equivalent units, In
3	1	December	Contract Costing: Theory and Practical Questions based on Contract Costing	Simple Practical problems and joint and by-product
4	2	December	Practical Questions based on Contract Costing	Simple Practical problems and joint and by-product

5	3	December	Practical Questions based on Contract Costing	Simple Practical pro and joint and by-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 cor accounting
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

15	2	March	Some Emerging Concepts of Cost Accounting	Practical Questions Costing
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## Teaching Plan for the Academic Year 2018-19

*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 – (19 Working Days)	<b>Unit- I</b> <b>Introduction:</b> <ul style="list-style-type: none"> <li>• Meaning and scope of Operations Research, Applications in Business, Commerce and Industry, limitations of Operations Research.</li> </ul> <b>Replacement Theory:</b> <ul style="list-style-type: none"> <li>• Replacement Methods for items that deteriorate with time assuming value of money i) constant ii) Changes with time.</li> </ul>	Lecture Method using chalk and talk.	4  5	9
July 2015- (28 Working Days)	<b>Replacement Theory:</b> <ul style="list-style-type: none"> <li>• Replacement of item that fail completely using individual and group replacement.</li> </ul> <b>Unit-II Linear Programming:</b> <ul style="list-style-type: none"> <li>• Mathematical formulation of LPP .</li> <li>• Solution to the LPP using Graphical Method.</li> <li>• Simplex Method and Big M Method</li> </ul>	Lecture Method using chalk and talk. In addition to chalk and talk method	3  2 2 5	12

		solution using TORA		
<b>August 2015-</b> (18 Working Days)	<p><b><u>Unit-II Linear Programming:</u></b></p> <ul style="list-style-type: none"> <li>• Duality in LPP</li> <li>• Detection of optimum solution to primal using optimum solution of the dual.</li> </ul> <p><b><u>Unit- III Transportation Problem</u></b></p> <ul style="list-style-type: none"> <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> <p><b><i>Class Test of 20 Marks in Last Week of August</i></b></p>	<p>Lecture Method using chalk and talk.</p> <p>In addition to chalk and talk method solution using TORA</p>	<p>1</p> <p>2</p> <p>1</p> <p>3</p> <p>2</p>	9
<b>September 2015-</b> ( 20 Working Days)	<p><b><u>Unit- III Transportation Problem</u></b></p> <ul style="list-style-type: none"> <li>• Solution by MODI method</li> <li>• Existence of Alternate optimum solution</li> <li>• Impact of change in some cost coefficients on optimum solution.</li> <li>• Maximization type Problems</li> <li>• Unbalanced transportation problems</li> </ul>	<p>Lecture Method using chalk and talk.</p> <p>In addition to chalk and talk method solution using TORA</p>	<p>2</p> <p>2</p> <p>1</p> <p>2</p> <p>2</p>	9
<b>9October 2015</b>	Examinations and assessment			

## **T.Y.B.Com. Applied Component**

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

#### **Unit I : CPM & PBRT**

1. Critical path method, Project evaluation and Review Techniques, Calculations of earliest time, latest time, different floats. - 3 lectures
2. Three time estimates with Normal Probability distribution of expected time of activities. - 6 lectures
3. Crashing of activities systematically to reduce cost and time - 6 lectures

#### **Unit II : Inventory Management**

1. Basic concepts, introduction, types of inventory, lead time, safety stock, Reorder level. - 3 lectures
2. EOQ model - 3 lectures
3. EOQ model with price discount - 3 lectures
4. EOQ model with planned shortages - 3 lectures

#### **Unit 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