

University of Mumbai

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Revised Syllabus

and

Question Paper Pattern

of Courses of

B.Com. Programme

First Year

Semester I and II

**Under Choice Based Credit, Grading
and Semester System**

**(To be implemented from Academic Year-
2016-2017)**

Faculty of Commerce

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B.Com. Programme

Under Choice Based Credit, Grading and Semester System

Course Structure

F.Y.B.Com.

(To be implemented from Academic Year- 2016-2017)

No. of	Semester I	Credits	No. of	Semester II	Credits
Courses			Courses		
	1 Elective Courses (EC)			1 Elective Courses (EC)	
1A	Discipline Specific Elective(DSE)Courses		1A	Discipline Specific Elective(DSE)Courses	
	1 Accountancy and Financial	03		1 Accountancy and Financial	03
	Management				

Management II

1B **Discipline Related Elective(DRE)Courses**

2 Commerce I 03

3 Business Economics I 03

2 **Ability Enhancement Courses (AEC)**

2A **Ability Enhancement Compulsory**

Courses (AECC)

4 Business Communication I 03

5 Environmental Studies I 03

2B ***Skill Enhancement Courses (SEC)**

6 Any one course from the 02

following list of the courses

3 **Core Courses (CC)**

1B **Discipline Related Elective(DRE)Courses**

2 Commerce II 03

3 Business Economics II 03

2 **Ability Enhancement Courses (AEC)**

2A

Ability Enhancement Compulsory Courses (AECC)

4 Business Communication II 03

5 Environmental Studies II 03

2B ****Skill Enhancement Courses (SEC)**

3

6 Any one course from the

following list of the **courses**

Core Courses (CC)

02

7 **Mathematical and Statistical**

03

7 **Mathematical and Statistical**

03

Techniques I

Techniques II

Total Credits

20

Total Credits

20

***List of Skill Enhancement Courses (SEC)**

for Semester I (Any One)

1 Foundation Course - I

2 Foundation Course in NSS - I

3 Foundation Course in NCC-I

4 Foundation Course in Physical Education - I

****List of Skill Enhancement Courses (SEC)**

for Semester II (Any One)

1 Foundation Course - II

2 Foundation Course in NSS - II

3 Foundation Course in NCC - II

4 Foundation Course in Physical Education - II

Note: Course selected in Semester I will continue in Semester II

B.Com. Programme
Under Choice Based Credit, Grading and Semester System

Course Structure

*(To be implemented from Academic
Year-2016-2017)*

Semester I

No. of Courses	Semester I	Credits
1	Elective Courses (EC)	
1A	Discipline Specific Elective(DSE)Courses	
1	Accountancy and Financial Management I	03
1B	Discipline Related Elective(DRE)Courses	
2	Commerce I	
3	Business Economics I	
2	Ability Enhancement Courses (AEC)	
2A	Ability Enhancement Compulsory Courses (AECC)	
4	Business Communication I	03

		03
		03
		03
	5 Environmental Studies I	
2B	*Skill Enhancement Courses (SEC)	
	6 Any one course from the following list of the	
	courses	02
3	Core Courses (CC)	
	7 Mathematical and Statistical Techniques I	
		03
	Total Credits	20

****List of Skill Enhancement Courses
(SEC)
for Semester I (Any One)***

- 1** Foundation Course - I
- 2** Foundation Course in NSS - I
- 3** Foundation Course in NCC - I
- 4** Foundation Course in Physical Education -

**Revised Syllabus of Courses of B.Com. Programme at Semester I
with Effect from the Academic Year 2016-2017**

Elective Courses (EC)

**Discipline Specific Elective(DSE)
Courses**

1.Accountancy and Financial Management I

Modules at a Glance

Sr. No.	Modules	No. of Lectures
1	Accounting standards issued by ICAI and Inventory valuation	15
2	Final Accounts	15
3	Departmental Accounts	15
4	Accounting for Hire Purchase	15
	Total	60

Sr. No.

1

Modules / Units

2

Accounting standards issued by ICAI and Inventory valuation

Accounting standards:

Concepts, benefits, **procedures for issue of accounting standards** Various AS: **AS – 1:**

Disclosure of Accounting Policies

Purpose, **Areas of Policies,**

Illustrations

Disclosure of Policies, Disclosure of Change in Policies,

AS-2: Valuation of Inventories (Stock)

Meaning, Definition,

Applicability, Measurement of inventory,

Disclosure in Final Account, Explanation with Illustrations.

AS - 9: Revenue Recognition

Meaning and Scope,
Transaction excluded, Sale of Goods, Rendering of Services,
Effects of Uncertainties, Disclosure, Illustrations.

- **Inventory Valuation**

Meaning of inventories Cost for inventory valuation

Inventory systems : Periodic Inventory system and Perpetual Inventory System Valuation:

Meaning and importance

Methods of **Stock Valuation** as per AS - 2 :

FIFO and Weighted Average Method Computation of valuation of inventory as on balance sheet date: If inventory is taken on a date after the balance sheet or before the balance sheet

Final Accounts

Expenditure: Capital, Revenue

Receipts: Capital, Revenue

Adjustment and Closing Entries

Final **accounts** of Manufacturing **concerns (Proprietary Firm)**

Departmental Accounts

3

Meaning

Basis of **Allocation of Expenses and Incomes/Receipts**

Inter Departmental **Transfer: at Cost Price and Invoice Price Stock Reserve**

Departmental Trading and **Profit & Loss Account** and Balance Sheet

4

Accounting for Hire Purchase

Meaning Calculation of interest

Accounting for hire purchase transactions by **asset purchase** method based on **full cash price**

Journal entries, ledger accounts and disclosure in balance sheet for hirer and vendor (excluding default, repossession and calculation of cash price)

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with Effect from the Academic Year 2016-2017

***Elective Courses (EC)-
Discipline Related Elective (DRE)
Courses***

2.Commerce I

Modules at a Glance

Sr.

No.

1 Business

2

Business Environment

3

Project Planning

4 Entrepreneurship

Modules

**No. of
Lectures**

11

12

10

Total

45

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Sr. No.

1

Business

Modules / Units

Introduction: Concept, Functions, Scope and Significance of business. Traditional and Modern Concept of business.

Objectives of Business: Steps in setting business objectives, **classification of business objectives, Reconciliation of Economic and Social Objectives.**

New

Trends in Business: Impact of Liberalization, Privatization and Globalization, **Strategy** alternatives in the changing scenario, Restructuring and **turnaround strategies**

2

Business Environment

3

Importance of business environment, **Inter-Introduction:** Concept and Importance
relationship between **Business and Environment**
Constituents of Business Environment: Internal and **External Environment, Educational Environment and its impact, International Environment Current Trends** in the **World, International Trading Environment - WTO and Trading Blocs** and their impact on Indian **Business.**

Project Planning

Introduction: **Business Planning Process; Concept and importance of Project Planning; Project Report; feasibility Study types and its importance**
Business Unit Promotion: Concept and **Stages of Business Unit Promotion, Location - Factors determining location, and Role of Government in Promotion. Statutory Requirements in Promoting Business Unit:** Licensing and Registration

procedure, Filing returns and other documents, Other important legal provisions

Entrepreneurship

Introduction: Concept and importance of entrepreneurship, factors Contributing to Growth of Entrepreneurship, Entrepreneur and Manager, Entrepreneur and Intrapreneur

The

Entrepreneurs: Types

Entrepreneur, Entrepreneurship

of

Entrepreneurs, **Competencies Training and Development**

of an

centers

in

India. Incentives to Entrepreneurs in India.

Women Entrepreneurs: Problems and Promotion.

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with Effect from the Academic Year 2016-2017***

***Elective Courses (EC)-
Discipline Related Elective (DRE) Courses***

3. Business Economics I

Modules at a Glance

Sr.	Modules	No. of Lectures
No.		
1	Introduction	
2	Demand Analysis	
3	Supply and Production Decisions	
4	Cost of Production	
		10
		15
		10
		10
	Total	45

Sr. No.

1

Introduction

Modules / Units

Scope and Importance of Business Economics - basic tools- Opportunity Cost principle- Incremental and Marginal Concepts. Basic economic relations functional relations: equations- Total, Average and Marginal relations- use of Marginal analysis in decision making,

The basics of **market demand**, market **supply** and equilibrium **price**- shifts in the demand and supply **curves** and equilibrium

2

Demand Analysis

Demand Function - nature of demand curve under different markets

Meaning, significance, types and measurement of elasticity of demand (Price, income cross

and promotional)- relationship between **elasticity of demand and revenue concepts**

Demand estimation and forecasting: Meaning and significance methods of demand estimation survey and **statistical methods** (numerical illustrations on trend analysis and simple linear **regression**)

3

Supply and Production Decisions

4

Production function: short run analysis with Law of Variable Proportions- Production function with two variable inputs- isoquants, ridge lines and least cost combination of inputs- Long run production function and Laws of Returns to Scale - expansion path - Economies and diseconomies of Scale and economies of scope

Cost of Production

Cost concepts: Accounting cost and economic cost, implicit and explicit cost, social and private cost, historical cost and replacement cost, sunk cost and incremental cost -fixed and variable cost - total, average and marginal cost - Cost Output Relationship in the Short Run and Long Run (hypothetical numerical problems to be discussed)

Extensions of cost analysis: cost reduction through experience - LAC and Learning curve - Break even analysis (with business applications)

**Revised Syllabus of Courses of B.Com. Programme at Semester I
with Effect from the Academic Year 2016-2017**

Ability Enhancement Courses (AEC)

4. Business Communication I

Modules at a Glance

Sr. No.	Modules	No. of Lectures
1	Theory of Communication	10
2	Obstacles to Communication in Business World	10
3	Business Correspondence	
4	Language and Writing Skills	12
		13

Total

45

Note:

One **tutorial per batch per week in addition** to number of **lectures stated above (Batch size as per the University norms)**

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Sr. No.

1

Theory of Communication

Modules / Units

Concept of Communication: Meaning,

Definition, Process, Need,

Feedback Emergence of Communication as a key concept in the Corporate and Global **world Impact** of technological advancements **on** Communication

Channels and Objectives of Communication: Channels-

Formal and Informal- Vertical, **Horizontal**, Diagonal, Grapevine

Objectives of Communication: Information, Advice, Order and Instruction, Persuasion,

Motivation, Education, Warning, and **Boosting** the Morale of Employees (A **brief introduction** to these objectives to be given)

Methods and Modes of Communication:

Methods: Verbal and **Nonverbal**, **Characteristics of Verbal** Communication **Characteristics of Non-verbal** Communication, **Business Etiquette**

Modes: Telephone and SMS Communication **3** (General **introduction** to Telegram to be given) Facsimile Communication [**Fax**]

Computers and E- communication **Video and** Satellite Conferencing

2

Obstacles to Communication in Business World

Problems in Communication /Barriers to Communication:

Physical/ **Semantic**/Language / **Socio-Cultural** / Psychological / Barriers, Ways to Overcome these Barriers

Listening: Importance of Listening Skills, Cultivating good Listening Skills -

4

Introduction to Business Ethics:

Concept and Interpretation, Importance **of Business Ethics**, Personal Integrity at the **workplace, Business Ethics and media**, Computer **Ethics, Corporate Social**

Responsibility

Teachers can adopt a **case study approach** and address **issues such as** the following so as to **orient and sensitize** the **student community to actual business practices:**

Surrogate **Advertising**, **Patents and Intellectual Property Rights**, **Dumping of Medical/E-waste,**

Human Rights Violations and Discrimination on the basis of gender, race, caste, religion, appearance and sexual orientation at the workplace

Piracy, Insurance, Child Labour

3 **Business Correspondence**

Theory of Business Letter Writing:

Parts, Structure, Layouts-**Full Block, Modified Block, Semi - Block** Principles **of Effective Letter Writing, Principles of effective Email Writing,**

Personnel Correspondence:

Statement of **Purpose**, Job Application Letter and **Resume**, Letter **of Acceptance of Job Offer**, Letter **of Resignation**

[Letter of **Appointment**, Promotion and Termination, Letter of Recommendation (**to be taught but not**

to be tested in the examination)]

Sr. No.

4

Language and Writing Skills

Modules / Units

Commercial Terms used in Business Communication

Paragraph Writing:

Developing an idea, using appropriate linking devices, etc

Cohesion and Coherence, self-editing, etc [Interpretation of **technical data, Composition on a given situation, a short informal report etc.**]

Activities

Listening Comprehension

■ Remedial Teaching

Speaking Skills: Presenting a News Item, Dialogue and Speeches

■ **Paragraph Writing: Preparation of the first draft, Revision and Self-Editing, Rules of spelling.**

Reading Comprehension: Analysis of texts from the fields of Commerce and

Management

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Sr.

No.

Ability Enhancement Courses (AEC)

5.Environmental Studies I

Modules at a Glance

Modules

	No. of Lectures
1 Environment and Ecosystem	13
2 Natural Resources and Sustainable Development	13
3 Populations and Emerging Issues of Development	13
4 Urbanisation and Environment	13

5

Reading of Thematic Maps and Map Filling

08

Total

60

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Sr. No.

1

2

3

4

Environment and Ecosystem

Modules / Units

Environment: Meaning, **definition, scope and its components**; concept of an **ecosystem** definition, **Characteristics , components and types, functioning** and structure; Food Chain and **Food Web- Ecological Pyramids - Man and environment relationship**; Importance and scope of Environmental Studies.

Natural Resources and Sustainable Development

Meaning and **definitions**; **Classification** and **types of resources, factors influencing resource**; **Resource conservation- meaning and methods- I and non-conventional resources, problems associated with and management of water, forest and energy resources- resource utilization** and sustainable development

Populations and Emerging Issues of Development

Population **explosion** in **the world and in India** and **arising concerns-** Demographic **Transition** Theory – pattern of **population growth** in the **world** and **in India** and **associated problems** Measures taken to control **population growth** in India; Human population and environment- **Environment and Human Health** - Human Development **Index** - The **World** Happiness Index

Urbanisation and Environment

Concept of Urbanisation- **Problems** of **migration** and **urban environment-changing** landuse, **crowding** and stress on urban resources, degradation of air and water, **loss of soil cover impact on biodiversity, Urban** heat islands

Smart Cities and **safe cities** in India - **Sustainable** Cities

Emerging

Reading of Thematic Maps and Map Filling**Reading of Thematic Maps(4 Lectures)**

Located bars, Circles, Pie charts, Isopleths, Choropleth and Flow map, Pictograms - Only reading and interpretation.

Map Filling: (4 Lectures)

Map **filling of World** (Environmentally **significant** features) using **point**, line and polygon segment.

Concept and Calculation of Ecological Footprint

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Skill Enhancement Courses (SEC)**6. Foundation Course - I*****Modules at a Glance*****Modules****Sr.**

No.

1

Overview of Indian Society

2

Concept of Disparity- 1

3

Concept of Disparity-2

4

The Indian Constitution

5 **Significant** Aspects of Political Processes

**No. of
Lectures**

05

10

010

10

10

Total

45

Sr. No.

1

2

3

4

Overview of Indian Society

Modules / Units

Understand the multi-cultural **diversity of** Indian society through its demographic **composition: population** distribution **according to religion**, caste, and **gender**; Appreciate **the concept of linguistic diversity** in relation **to the Indian situation**; **Understand** regional variations **according to rural**, urban and tribal characteristics; Understanding **the concept of diversity as** difference

Concept of Disparity- 1

Understand the concept **of** disparity **as** arising **out of** stratification and inequality; **Explore the** disparities arising **out of** gender **with** special reference **to** violence against **women**, female foeticide (declining **sex ratio**), **and** portrayal of **women in media**; Appreciate **the** inequalities faced **by** people with **disabilities and** understand the **issues of** people **with** physical **and** mental **disabilities**

Concept of Disparity-2

Examine inequalities manifested due to the caste system and inter-**group conflicts arising** thereof; Understand **inter-group conflicts** arising **out of** communalism; Examine the **causes and effects of conflicts arising out of** regionalism and **linguistic differences**

The Indian Constitution

Philosophy **of** the **Constitution as set out in** the Preamble; The structure **of** the **Constitution-the Preamble, Main Body** and Schedules; Fundamental Duties of **the Indian Citizen**; tolerance, **peace and communal** harmony **as crucial** values **in strengthening the social fabric** of Indian society; **Basic** features of the **Constitution**

Significant Aspects of Political Processes

The party system in Indian **politics**; **Local self-government in urban and rural areas**; **the 73rd and 74th Amendments** and their **implications for** inclusive **politics**; Role **and significance of** women **in** politics

Topics for Project Guidance: Growing Social Problems in

India:

Note:

Substance abuse- *impact on youth & challenges* for the future
HIV/AIDS-awareness, **prevention**, treatment and services
Problems **of the elderly-causes, implications** and
response

Issue of **child** labour- *magnitude, causes, effects and* response

Child abuse-effects **and ways to prevent**

Trafficking of women- *causes, effects and* response

Out of the 45 lectures allotted for 5 units for Semester I, about 15 lectures may be allotted for project guidance

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Skill Enhancement Courses (SEC)

6.Foundation Course in NSS - I

Modules at a Glance

Sr.	Modules	No. of Lectures
1	Introduction to NSS	10
2	Concept of Society and Social Issues in India	15
3	Indian Constitution and Social Justice	10
4	Human Personality and National Integration	10
Total		45

Sr. No.

1

Introduction to NSS

2

Modules / Units

Introduction to National Service Scheme(NSS)

Orientation and structure of National Service Scheme(NSS)

National Service Scheme (NSS)- its objectives

The historical perspective of National Service Scheme(NSS)

National Service Scheme (NSS)- Symbol and its meaning

National Service Scheme(NSS)- its hierarchy from national to college level

National Service Scheme(NSS) Regular activities

Distribution of working hours- Association between issues and programs-

community project- urban rural activities, Association- modes of activity

evaluation

Concept of Society and Social Issues in India

History and philosophy of social sciences in India

Concept of society- Development of Indian society - Features of Indian Society-

Division of labour and cast system in India

Basic social issues in India

Degeneration of value system, Family system, Gender issues, Regional imbalance

Indian Constitution and Social Justice

Indian Constitution

Features of Indian Constitution

Provisions related to social integrity and

development

Social Justice

Social Justice- the concept and its features

Inclusive growth- the concept and its features

Human Personality and National Integration**Dimensions of human personality**

Social **Dimension of Human personality- Understanding of the society**

Physical Dimension of Human personality- Physical Exercise, Yoga, etc. National integration & Communal Harmony

National Integration- its meaning, importance and practice

Communal Harmony- its meaning, importance and practice

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Skill Enhancement Courses (SEC)**6.Foundation Course in NCC – I*****Modules at a Glance*****Sr.****No.****Modules**

1	Introduction to NCC, National Integration & Awareness	No. of Lectures
		10
2	Drill: Foot Drill	10
3	Adventure Training, Environment Awareness and Conservation	
010		
4	Personality Development and Leadership	10
5	Specialized Subject: Army/ Navy / Air	05
	Total	45

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Sr. No.

1

2

Modules / Units

Introduction to NCC, National Integration & Awareness

Desired outcome: The students will display sense of patriotism, secular values and shall be transformed into motivated youth who will contribute towards nation building through national unity and **social** cohesion.

Genesis, Aims, Objectives of NCC & NCC Song

- Organisation & Training
 - Incentives & Benefits
- Religions, **Culture**, Traditions and Customs of India
- **National Integration: Importance and Necessity**
 - Freedom Struggle

Drill: Foot Drill

Desired outcome: The students will demonstrate the **sense of** discipline, **improve bearing**, smartness, turnout, develop **the quality** of immediate and **implicit obedience** of **orders, with** good reflexes.

- **General and Words of Command**

Attention, Stand **at Ease** and **Stand Easy**, Turning **and** Inclining **at** the Halt

- **Sizing, Forming Up** in Three Ranks **and** Numbering, **Open and** Close Order March and Dressing

Saluting **at the Halt**, Getting **On** Parade, **Dismissing and Falling Out**

Marching, Length of Pace and Time of Marching in Quick **Time** and **Halt, Slow**

March and Halt

Turning on the March and Wheeling.

- **Saluting** on the March.

Formation of **squad** and **Squad Drill**.

Adventure Training, Environment Awareness and Conservation

Adventure Training

Desired outcome: The students will overcome fear & inculcate within them the sense of **adventure, sportsmanship, esprit-d-corp** and **develop confidence, courage, determination, diligence** and quest for **excellence**.

Any Two such as - Obstacle course, Slithering, Trekking, Cycling, Rock Climbing, Para Sailing, Sailing, Scuba Diving etc

Environment Awareness and Conservation

Desired outcome: The student will be aware of the conservation of natural resources and **protection** of environment.

- **Natural Resources - Conservation** and Management
- **Water Conservation and Rainwater Harvesting**

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Sr. No.

Modules / Units

Personality Development and Leadership

Desired outcome: The student **will** develop an **all-round personality with** adequate leadership traits to deal / contribute effectively in life.

- Introduction to Personality Development
- **Factors Influencing** /Shaping Personality: Physical, **Social**, Physiological, Philosophical and Psychological
 - Self **Awareness Know** yourself/ Insight
Change Your Mind Set
 - Communication **Skills: Group Discussion** / Lecturettes (Public Speaking)
 - Leadership Traits
 - Types of **Leadership**

Specialized Subject: Army Or Navy Or Air

Army

Desired outcome: The **training shall** instill **patriotism**, commitment and passion to serve the **nation** motivating the **youth** to join the defence **forces**.

It will also acquaint, **expose & provide** basic knowledge about armed, naval and air-force subjects

A. Armed Force

- **Basic organisation** of Armed **Forces**
- Organisation of **Army**
- **Badges and** Ranks

B. Introduction to Infantry and weapons and equipments

- **Characteristics** of 7.62mm **SLR Rifle**, Ammunition, Fire **power**, Stripping, **Assembling and**

Cleaning

C. Military history

- **Biographies of renowned** Generals (Carriapa / Sam Manekshaw)
- **Indian Army War Heroes- PVCs**

D. Communication

- Types of Communications
- **Characteristics of Wireless Technologies (Mobile, Wi-Fi etc.)**

Navy

OR

A. Naval orientation and service subjects

- **History of the Indian Navy**-Pre and **Post** Independence, **Gallantry award winners**
- Organization **of Navy**- **NHQ, Commands, Fleets, Ships** and shore **establishments**
- **Types** of Warships and their role
- Organization **of Army** and **Air Force**- **Operational** and Training commands
- **Ranks of Officers and Sailors, Equivalent Ranks in the Three Services**

B. Ship and Boat Modelling

- **Principles of Ship Modelling**
Maintenance and Care of tools

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Sr. No.

Modules / Units

C. Search and Rescue

SAR Organization in the **Indian ocean**

D. Swimming

Floating for three minutes and Free style swimming for 50 meters

AIR

A. General Service Knowledge

- **Development of Aviation**

- **History of IAF**

B. Principles of Flight

- **Introduction**
 - Laws of Motion**
- **Glossary of Terms.**

C. Airmanship

- **Introduction**
- **Airfield Layout**
- **Rules of the Air**
- **Circuit Procedure**
- **ATC/RT Procedures**
 - Aviation Medicine**

D. Aero- Engines

- **Introduction to Aero-engines**

OR

**Revised Syllabus of Courses of B.Com. Programme at Semester I
with Effect from the Academic Year 2016-2017**

Skill Enhancement Courses (SEC)

6.Foundation Course in Physical Education-I

Modules at a Glance

Sr. No.	Modules	No. of Lectures
1	Introduction to Basic Relevant concepts in Physical Education	10
2	Components of Physical Fitness	15
3	Testing Physical Fitness	10
4	Effect of Exercise on various Body System	10
	Total	45

Sr. No.

1

2

3

Modules / Units

Introduction to Basic Relevant concepts in Physical Education

Dimensions and determinants of Health, Fitness & Wellness

- **Concept of Physical Education and its importance**
- **Concept of Physical Fitness and its types**
- **Concept of Physical Activity, exercise and its types & benefits**

Components of Physical Fitness

- Concept of **components** of Physical Fitness
- **Concept and components of HRPF**
- **Concept and components of SRPF**
- Importance of **Physical Education in developing physical fitness components.**

Testing Physical Fitness

- Tests for measuring **Cardiovascular Endurance**
- Tests for measuring **Muscular Strength & Endurance**
- Tests for measuring Flexibility
- Tests for measuring **Body Composition**

4 Effect of Exercise on various Body System

- **Effect of exercises on Musculoskeletal system**
- Effect of **exercises** on Circulatory System
- **Effect of exercises on Respiratory System**
- **Effect of exercises on Glandular System**

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Core Courses (CC)

7.Mathematical and Statistical Techniques I

Modules at a Glance

Sr.

Modules

No.		No. of Lectures
1	Shares and Mutual Funds	15
2	Permutation, Combination and Linear Programming Problems	15
3	Summarization Measures	15
4	Elementary Probability Theory	15
5	Decision Theory	15
	Total	75

Note:

One tutorial per batch per **week** in addition to number **of lectures** stated above (**Batch size** as per the University norms)

Sr. No.

1

Shares and Mutual Funds

Modules / Units

2

3

4

5

Shares: Concept of share, **face value**, market value, dividend, equity shares, preferential shares, bonus shares. Simple examples.

- **Mutual Funds:** Simple problems on calculation of **Net** income after considering **entry** load, **dividend**, **change in Net Asset Value (N.A.V.)** and **exit** load. **Averaging of price under the Systematic Investment Plan (S.I.P.)** **Permutation, Combination and Linear Programming Problems**

- **Permutation and Combination:** **Factorial** Notation, **Fundamental principle of counting**, Permutation as arrangement, Simple examples, combination as **selection**, Simple examples, **Relation between "C, and" P**, Examples on commercial application of permutation and combination

Linear Programming Problem: Sketching of **graphs of (i) linear equation $Ax + By + c = 0$** (ii) **linear inequalities. Mathematical Formulation of Linear Programming Problems upto 3 variables. Solution of Linear Programming Problems using graphical method up to two variables.**

Summarization Measures

Measures of Central Tendencies: Definition of Average, Types of Averages: **Arithmetic Mean, Median, and Mode for grouped as well as ungrouped data.** Quartiles, Deciles and Percentiles. Using Ogive locate median and Quartiles. **Using Histogram locate mode.** Combined and Weighted mean.

- **Measures of Dispersions:** Concept and idea of dispersion. Various measures Range, Quartile **Deviation, Mean Deviation**, Standard Deviation, Variance, **Combined Variance.**

Elementary Probability Theory

- **Probability Theory:** Concept of random experiment/trial and possible outcomes; Sample Space and Discrete Sample Space; Events their types, Algebra of Events, Mutually Exclusive and Exhaustive Events, Complimentary events. Classical definition of Probability, Addition theorem (without proof), conditional probability. Independence of Events: $P(AB) = P(A) P(B)$. Simple examples.
- **Random Variable:** Probability distribution of a discrete random variable; Expectation and Variance of random variable, simple examples on probability distributions.

Decision Theory

Decision making situation, Decision maker, Courses of Action, States of Nature, Pay-off and Pay-off matrix; Decision making under uncertainty, Maximin, Maximax, Minimax regret and Laplace criteria; simple examples to find optimum

decision. Formulation of Payoff Matrix. Decision making under Risk, Expected

Monetary Value (EMV); Decision Tree; Simple Examples based on EMV. Expected Opportunity Loss (EOL), simple examples based on EOL.

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B.Com. Programme

Under Choice Based Credit, Grading and Semester System

No. of
Courses

1

1A

1B

Course Structure

**(To be implemented from Academic
Year-2016-2017)**

Semester II

Elective Courses (EC)

Semester II

***Discipline Specific
Elective(DSE)Courses***

- 1 **Accountancy and Financial Management II**

***Discipline Related
Elective(DRE)Courses***

- 2 **Commerce II**
- 3 **Business Economics II**

Ability Enhancement Courses (AEC)

Credits

03

03

03

2A

**Ability Enhancement Compulsory Courses
(AECC)**

4 Business Communication II	03
5 Environmental Studies II	03

2B

****Skill Enhancement Courses (SEC)**

6 Any one course from the following list of the courses	02
---	----

3

Core Courses (CC)

7 Mathematical and Statistical Techniques II	03
--	----

Total Credits
20

***List of Skill Enhancement Courses
(SEC)**

for Semester II (Any One)

- 1 Foundation Course - II
- 2 Foundation Course in NSS - II
- 3 Foundation Course in NCC - II
- 4 Foundation Course in Physical Education - II

**Revised Syllabus of Courses of B.Com. Programme at Semester II
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Elective Courses (EC)-

**Discipline Specific Elective(DSE)
Courses**

1.Accountancy and Financial Management II

Modules at a Glance

Sr. No.	Modules	No. of Lectures
1	Accounting from Incomplete Records	15
2	Consignment Accounts	15
3	Branch Accounts	15
4	Fire Insurance Claim	15
	Total	60

Sr. No.

1

Modules / Units

Accounting from Incomplete Records

Introduction

Problems on preparation of **final accounts of Proprietary** Trading Concern
(**conversion** method)

2 Consignment Accounts

Accounting for consignment transactions Valuation of stock

Invoicing of **goods at higher**

higher **price**(excluding **overriding** commission,

normal/**abnormal losses**)

3

Branch Accounts

Meaning/ Classification **of** branch

Accounting **for** Dependent Branch **not** maintaining full **books**: Debtors

methodStock **and debtors** method

4

Fire Insurance Claim

Computation of Loss **of** Stock by Fire

Ascertainment of Claim **as** per the Insurance Policy

Exclude: **Loss of Profit** and Consequential **Loss**

***Elective Courses (EC)-
Discipline Related Elective(DRE) Courses***

2. Commerce II

Sr.

No.

1 Concept of Services

Modules at a Glance

Modules

**No. of
Lectures**

12

2

Retailing

3

Recent Trends in Service Sector

4 E-Commerce

12

010

11

Total

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Sr. No.

1

Concept of Services

Modules / Units

2

Introduction:Meaning, **Characteristics, Scope and Classification of Services –**
Importance of **service sector** in the Indian

Marketing Mix Services: Consumer **expectations**, Services Mix, - **Product**, Place,
Price, Promotion, Process of Services delivery, Physical evidence and people
Service Strategies:Market research and **Service** development cycle, Managing

demand and **capacity, opportunities** and challenges in **service sector**.

Retailing

Introduction: Concept of organized and unorganized retailing, Trends in retailing, growth of organized retailing in India, Survival strategies for unorganized Retailers Retail Format: Store format, Non Store format, Store Planning, design and layout

Retail Scenario: Retail Scenario in India and Global context Prospects and Challenges in India. Mall Management - Retail Franchising. FDI in Retailing, Careers in Retailing

3

4

Recent Trends in Service Sector

ITES Sector: Concept and scope of BPO, KPO, LPO and ERP.

Banking and Insurance Sector: ATM, Debit & Credit Cards, Internet Banking -

Opening of Insurance sector for private players, FDI and its impact on Banking and Insurance Sector in India

Logistics: Net working - Importance - Challenges

E-Commerce

Introduction: Meaning, Features, Functions and Scope of E-Commerce-Importance and Limitations of E-Commerce

Types of E-Commerce: Basic ideas and Major activities of B2C, B2B, C2C.

Present status of E-Commerce in India: Transition to E-Commerce in India, E-Transition Challenges for Indian Corporates; on-line Marketing Research.

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**Revised Syllabus of Courses of B.Com. Programme at Semester II
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***Elective Courses (EC)-
Discipline Related Elective(DRE) Courses***

3. Business Economics II

Modules at a Glance

Sr.	Modules	No. of Lectures
1	Market structure : Perfect competition and Monopoly	

		10
2	Pricing and Output Decisions under Imperfect Competition	15
3	Pricing Practices	10
4	Evaluating Capital Projects	10
10		
	Total	45

Sr. No.

1

Modules / Units

2

Market structure: Perfect competition and Monopoly

Perfect competition and Monopoly models as two extreme cases profit maximisation and the competitive firm's supply curve - Short run and long run equilibrium of a firm and of industry - monopoly - Sources of monopoly power - short run and long-run equilibrium of a firm under Monopoly

Pricing and Output Decisions under Imperfect Competition

Monopolistic competition: competitive and monopolistic elements of monopolistic competition equilibrium of a firm under monopolistic competition, monopolistic competition verses perfect competition- excess capacity and inefficiency - debate over role of advertising (topics to be taught using case studies from real life examples)

Oligopolistic markets: key attributes of oligopoly - Collusive and non collusive oligopoly market - Price rigidity - Cartels and price leadership models (with practical examples)

3

Pricing Practices

4

Cost oriented pricing methods: cost plus (full cost) pricing, marginal cost pricing, Mark up pricing, discriminating pricing, multiple product pricing - transfer pricing (case studies on how pricing methods are used in business world)

Evaluating Capital Projects

Meaning and importance of capital budgeting- steps in capital budgeting +Techniques of Investment appraisal: Payback Period Method, Net Present

Value Method, and Internal Rate of Return Method (with numerical examples)

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Ability Enhancement Courses (AEC)

4.Business Communication II

Modules at a Glance

Sr.

No.	Modules	No. of Lectures
1	Presentation Skills	10
2	Group Communication	15
3	Business Correspondence	10
4	Language and Writing Skills	10
	Total	45

Note:

*One tutorial per **batch** per week in **addition to** number of lectures **stated** above (**Batch** size **as per** the University norms)*

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Sr. No.

1

2

3

Presentation Skills**Presentations:****Presentation****Modules / Units**

(to be tested in tutorials only) 4 Principles of Effective

Effective use of OHP

Effective use of Transparencies

How to make a Power-Point Presentation

Group Communication

Interviews: Group Discussion Preparing for an Interview, Types of Interviews Selection, Appraisal, Grievance, Exit

Meetings: Need and Importance of Meetings, Conduct of Meeting and Group Dynamics Role of the Chairperson, Role of the Participants, Drafting of Notice, Agenda and Resolutions

Conference: Meaning and Importance of Conference Organizing a Conference Modern Methods: Video and Tele-Conferencing

Public Relations: Meaning, Functions of PR Department, External and Internal Measures of PR

Business Correspondence

Trade Letters: Order, Credit and Status Enquiry, Collection (just a brief introduction to be given)

Only following to be taught in detail:-

Letters of Inquiry, Letters of **Complaints, Claims, Adjustments Sales Letters, promotional leaflets and fliers Consumer Grievance Letters, Letters under Right to Information (RTI) Act**

[Teachers must **provide** the students with theoretical **constructs** wherever **necessary** in order to **create** awareness. However students **should not** be **tested on the theory.**]

Language and Writing Skills

Reports: Parts, Types, Feasibility Reports, Investigative Reports

Summarisation: Identification of main and supporting/sub points

Presenting these in a cohesive manner

Tutorial Activities:

Presentations, Group Discussion, Mock Interviews, Mock Meetings / Conferences, Book Reviews/Summarization, Reading Comprehension: Analysis of texts from the field of

Literature

[Suggested Books for Book Reviews: Books from the fields of Management, Finance, and Literature Like Sun Tzu :The Art of War, Eliyahu M. Goldratt: The Goal, Eliyahu M.

Goldratt: It's Not Luck, Spencer Johnson: Who Moved My Cheese, Stephen Lundin, Ph.D, Harry Paul, John Christen: Fish, Chetan Bhagat One Night At A Call Center, Chetan Bhagat My

Three Mistakes, Arindam Choudhary: Count Your Chickens Before They Hatch, Stephen Covey :Seven Habits of Successful People, George Orwell: Animal Farm, Dr. Abdul Kalam: Wings of Fire]

[N.B.: The above list is only indicative and not prescriptive.]

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Revised Syllabus of Courses of B.Com. Programme at Semester II
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Ability Enhancement Courses (AEC)

4.Environmental Studies II

Modules at a Glance

Sr.

No.

Modules

1 Solid Waste Management for Sustainable Society

2 Agriculture and **Industrial** Development

3 **Tourism and** Environment

4 Environmental Movements and Management

5 Map Filling

**No. of
Lectures**

Total

60

Sr. No.

1

2

Modules / Units

Solid Waste Management for Sustainable Society

Classification of solid wastes - Types and Sources of Solid Waste ; Effects of Solid Waste Pollution- Health hazards, Environmental Impacts; Solid Waste Management - solid waste management in Mumbai- Schemes and initiatives run by MCGM - role of citizens in waste management in Mumbai

Agriculture and Industrial Development

Environmental Problems Associated with Agriculture: Loss of Productivity, Land Degradation,desertification - Uneven Food Production Hunger, Malnutrition

and Food Security - **Sustainable Agricultural practices** Environmental **Problems Associated with Industries** - pollution -Global warming, **Ozone Layer Depletion, Acid rain, - Sustainable Industrial practices**

Business and Green Consumerism, Corporate Social Responsibility

3 Tourism and Environment

4

5

Green

Tourism: Meaning, **Nature, Scope and importance** -**Typology of tourism-classification**; Tourism potentials in **India** and challenges before **India**; New **Tourism Policy of India**; **Consequences of tourism**: Positive and Negative **Impacts on Economy, Culture and environment- Ecotourism**

Environmental Movements and Management

Environmental movements in India: **Save Narmada Movement, Chipko**

Movement, Appiko Movement, **Save Western Ghat and Save Jaitapur**; Environmental Management: **Concept**, need and relevance; **Concept of ISO 14000 and 16000**; **Concept of Carbon Bank and Carbon Credit.EIA Environment Protection Acts** **Concept and components of Geospatial Technology- Applications of GST in Environmental Management.**

Map Filling

Map **filling of Konkan and Mumbai (Environmentally significant features and GST centers)**
using **point**, line and polygon segment.
Concept and Calculation of **Environmental Performance Index (EPI)**

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Sr.

***Revised Syllabus of Courses of B.Com. Programme at Semester II
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Skill Enhancement Courses (SEC)

6. Foundation Course - I|

Modules at a Glance

Modules		
No.		
1	Globalisation and Indian Society	
2	Human Rights	
3	Ecology	No. of Lectures
		07
		10
		10
4	Understanding Stress and Conflict	10
		08
LO		
5	Managing Stress and Conflict in Contemporary Society	
		Total
		45

Sr. No

1 Globalisation and Indian Society

2

3

Modules/Units

Understanding the concepts of liberalization, privatization and globalization;Growth of information **technology** and **communication** and its impact manifested in everyday

life; Impact of **globalization on industry: changes in** employment and increasing migration; Changes in agrarian sector due to globalization; rise in **corporate** farming and increase in farmers' suicides.

Human Rights

Concept of Human Rights; origin and evolution of the concept; The Universal

Declaration of Human **Rights; Human Rights** constituents with special reference to

Fundamental Rights stated in the **Constitution**

Ecology

Importance of Environment Studies in the current developmental context; Understanding concepts of Environment, Ecology and their interconnectedness; Environment as natural capital and connection to quality of human life; Environmental Degradation- causes and impact on human life; Sustainable development-concept and components; poverty and environment

4 Understanding Stress and Conflict

Causes of stress and conflict in individuals and society; Agents of socialization and

the **role played** by them in **developing** the individual; **Significance** of values, ethics and prejudices in **developing** the individual; **Stereotyping and prejudice as significant factors** in **causing conflicts** in **society**. **Aggression** and **violence as the public expression of conflict**

5 Managing Stress and Conflict in Contemporary Society

Types of conflicts and use of coping mechanisms for managing individual stress; Maslow's theory of self-actualisation; Different methods of responding to conflicts in society; Conflict-resolution and efforts towards building peace and harmony in society

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**Skill Enhancement Courses
(SEC)**

6. Foundation Course in NSS - II

Modules at a Glance

Sr.

Modules

No.

1

Socio-economic Survey and Special Camp

**No. of
Lectures**

10

2	Orientation of the College Unit and Communication Skills	15
3	Rapport with Community and Programme Planning	10
4	Government Organisations /Non-Government	
10	Organisations	10
	Total	45

1

2

3

Modules / Units

Socio-economic Survey and Special Camp

Socio economic survey

Socio-economic survey- its meaning and need,

Process of Socio-economic survey- design of questionnaire; data collection, data analysis and report writing

Special camping activity

Concept of camp- **Identification of community** problems- **Importance of group living-** Team **building-** Adoption of **village- Planning** for camp-pre **camping, during the course of camp and post camping activities**

Orientation of the College Unit and Communication Skills

Training and orientation of the program unit in the college

Leadership training **formation** of need based programmms- **Concept of campus to community(C to C) activities**

Communication skills and Documentation

Communication skills- the concept, Verbal, **Non-Verbal** communication

The documentation- Activity **Report Writing - basics of** NSS accounting - Annual Report - **Press** note and preparation

Rapport with Community and Programme Planning

4

Working with individual group and community

Ice breaking- **interaction** games - **conflict** resolution

Program planning

Programme planning- **the concept and its features**, requirements for **successful** implementation of program-program **flow charting-feedback**

Government Organisations /Non-Government Organisations

Structure of Government Organisations and Non-Government Organisations

Government organisations (GO)- its meaning -Legal set up, **functioning**, Sources of funding

Non-Government organisations (NGO)- its meaning -Legal set up, **functioning**, Sources of funding

National Service Scheme(NSS)- Government **organisations (GO)** and **Non-Government organisations (NGO)**

Government schemes for community development

Schemes of **Government welfare** departments for community development- **provisions &** examples

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Skill Enhancement Courses (SEC)

6.Foundation Course in NCC - II

Modules at a Glance

Sr. No.	Modules	No. of Lectures
1	Disaster Management, Social Awareness and Community Development	05
2	Health and Hygiene	10
3	Drill with Arms	10
4	Weapon Training	10
5	Specialized Subject: Army Or Navy Or Air	10

Total

45

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Sr. No.

1

2

3

4

Modules / Units

Disaster Management, Social Awareness and Community Development

Disaster Management:

Desired outcome: The student shall gain **basic information about** civil defence **organisation / NDMA & shall** provide assistance to **civil** administration in **various types of**

emergencies during natural / manmade disasters

- Civil Defence Organisation and **Its Duties**/ NDMA
- **Types** of Emergencies/ Natural Disaster
- **Assistance** during **Natural** / Other Calamities: Flood / Cyclone/Earth Quake/ Accident etc.
- 'Avan' model of NCC

Social Awareness and Community Development:

Desired outcome: The student shall have an understanding about **social** service and **its** need, about NGOs **and** shall participate in community action **programmes** for betterment of the community.

- **Basics of Social** Service, Weaker **Sections of Our** Society and Their Needs
- **Social/ Rural Development Project: MNREGA, SGSY, NSAP etc.**
- **Contribution of Youth towards Social Welfare**
- **Civic Responsibilities**
- **Causes & Prevention of HIV/AIDS; Role of Youth**

Health and Hygiene

Desired outcome: The student shall be fully aware about **personal** health and **hygiene** lead a healthy life style **and** foster **habits** of restraint and self awareness.

- Structure and Functioning of **the Human Body**
Hygiene and Sanitation (**Personal and Food Hygiene**)
- **Infectious & Contagious Diseases &** Their Prevention

Drill with Arms

Desired outcome: The students **will** demonstrate the sense of **discipline, improve bearing,** smartness, turnout, develop the quality **of** immediate and **implicit** obedience of **orders, with** good reflexes.

- **Attention, Stand at Ease** and **Stand Easy**
- **Getting on** Parade with Rifle and **Dressing at** the Order
- **Dismissing and Falling Out**
- **Ground / Take Up Arms**
- **Present From** the Order and **Vice-versa**
- General **Salute, Salami Shastra**

Weapon Training

Desired outcome: The student shall have basic knowledge of **weapons** and their **use and handling.**

- Characteristics of a Rifle / Rifle **Ammunition** and its Fire Power
- **Stripping, Assembling, Care and Cleaning** and Sight **Setting of .22 rifle**
- **Stripping, Assembling, Care and Cleaning of 7.62mm**

SLR

- Loading, **Cocking** and **Unloading**
- The **lying position**, Holding and Aiming- I
- Trigger control and **firing a shot**
- Range **procedure** and **safety** precautions
- **Short range firing, Aiming-II -Alteration of sight**

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Sr. No.

5

Modules / Units

Specialized Subject: Army Or Navy Or Air

Army

Desired outcome: The **training shall instill patriotism, commitment and passion** to

serve the **nation motivating the youth to join the defence forces.**

It **will also** acquaint, **expose & provide basic knowledge about** armed, **naval and air-force** subjects

A. Map reading

- **Introduction to types of Maps and Conventional signs**
- **Scales** and **Grid system**
- Topographical **forms and** technical terms
- Relief, **contours** and Gradients
- Cardinal **points** and Types **of North**
- **Types of bearings and use** of Service **Protractor**
- **Prismatic compass** and **its use** and **GPS**

B. Field Craft and Battle Craft

- Introduction
- Judging **distance**
- Description **of ground**
- Recognition, **Description** and **Indication of landmarks and targets**

OR

Navy

A. Naval Communication

- **Introduction to Naval** Modern Communication, **Purpose** and Principles
 - Introduction of Naval communication
 - Duties of various communication sub-departments
- Semaphore
 - Introduction of position of letters and prosigns
 - Reading of messages
 - Transmission of messages

B. Seamanship

- Anchor work
 - Parts of Anchor and Cable, their identification
- Rigging
 - Types of ropes and breaking strength- stowing, maintenance and securing of ropes
 - Practical Bends and Hitches: Reef Knot, Half hitch, Clove Hitch, Rolling Hitch, Timber Hitch, Bow Line, Round Turn and Two half hitch and Bow line on the Bight and its basic elements and uses.
 - Introduction to Shackles, Hooks, Blocks and Derricks, Coiling Down and Splicing of rope

C. Boat work

- Parts of Boat and Parts of an Oar
- Instruction on boat Pulling- Pulling orders
- Steering of boat under oars, Practical instruction on Boat Pulling, Precautions while pulling

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Sr. No.

Modules / Units

OR

Air

A. Air frames

- Aircraft Controls

- Landing Gear

B. Instruments

- Basic **Flight** Instruments

C. Aircraft Particulars

- **Aircraft** Particulars (Type **specific**)

D. Aero modelling

- **History** of Aero **modelling**
- Materials used in Aero modelling
- **Type** of Aero models
- Flying/ Building of Aero models

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Skill Enhancement Courses (SEC)

6.Foundation Course in Physical Education- II

Modules at a Glance

Sr.	Modules	No. of Lectures
No.		
1	Development of Fitness	10
2	Health, Fitness and Diseases	15
3	Yoga Education	10
4	Daily Schedule of Achieving Quality of Life and Wellness	10
10		
	Total	60

Sr. No.

1

Development of Fitness

2

3

Modules / Units

Benefits of physical fitness and exercise and principles of physical fitness

- **Calculation of fitness index level 1-4**
- **Waist-hip ratio Target Heart Rate, BMI and types and principles of exercise (FITT)**

Methods of training - continues, Interval, circuit, Fartlek and Plyometric

Health, Fitness and Diseases

Definition of obesity and its management

Communicable diseases, their preventive and therapeutic aspectS

- **Factors responsible for communicable diseases**
- **Preventive and therapeutic aspect of Communicable and non- communicable diseases**

Yoga Education

Meaning and **history of yoga**

- **Ashtang yoga and types of yoga**

Types of Suryanamaskar and Technique of Pranayam

- **Benefits of Yoga**

4

Daily Schedule of Achieving Quality of Life and Wellness

- Daily schedule based upon one's **attitude**, gender, age & occupation.
- **Basic - module: - Time split for rest, sleep, diet, activity & recreation.**

Principles to achieve quality of life:- positive attitude, daily regular exercise, control over food habits & healthy hygienic practices.

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Core Courses (CC)

7.Mathematical and Statistical Techniques II

Modules at a Glance

Sr.

Modules

No.

No. of

Lectures

1

	Functions, Derivatives and Their Applications	15
2	Interest and Annuity	15
3	Bivariate Linear Correlation and Regression	15
4	Time series and Index Numbers	15
5	Elementary Probability Distributions	15
	Total	75

Note:

One **tutorial** per batch per week in **addition** to number of **lectures** stated **above**
(Batch size as per the University norms)

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Sr. No.

1

Modules / Units

2

3

Functions, Derivatives and Their Applications

Concept of real functions: Constant function, linear function, x^n , e^x , a^x , $\log x$. Demand, **Supply**, Total **Revenue**, Average Revenue, Total **cost**, Average **cost** and Profit **function**. Equilibrium **Point**, **Break-even** point.

Derivative of functions:

- Derivative as rate measure, Derivative of x^n , e^x , a^x , $\log x$.

Rules of derivatives: Scalar multiplication, sum, difference, **product**, quotient (Statements only), Simple problems. **Second** order derivatives.

Applications: Marginal Cost, Marginal **Revenue**, **Elasticity** of Demand. Maxima and Minima for functions in **Economics and Commerce**.

(Examination Questions on this unit should be application oriented only.)

Interest and Annuity

Interest: Simple **Interest**, **Compound Interest** (Nominal & **Effective** Rate of Interest), **Calculations involving** upto **4 time periods**.

Annuity: Annuity Immediate and its **Present** value, **Future** value. Equated Monthly Installments (EMI) using reducing balance method & amortization of loans. Stated

Annual Rate & **Affective Annual** Rate Perpetuity and its present **value**. Simple **problems involving up to 4** time periods.

Bivariate Linear Correlation and Regression

Correlation Analysis: Meaning, Types of Correlation, Determination of Correlation: Scatter diagram, Karl **Pearson's** method of **Correlation** Coefficient (excluding **Bivariate Frequency Distribution Table**) and **Spearman's Rank Correlation**

Coefficient.

Regression Analysis: Meaning, Concept of **Regression** equations, **Slope of the Regression Line** and its interpretation. **Regression Coefficients** (excluding Bivariate Frequency Distribution Table), **Relationship** between Coefficient of **Correlation** and **Regression Coefficients**, **Finding the equations of Regression lines** by method of **Least Squares**.

Time series and Index Numbers

Time series: Concepts and components of a **time series**. Representation of trend by Freehand Curve Method, **Estimation of Trend** using **Moving Average Method** and **Least Squares Method** (Linear Trend only). **Estimation of Seasonal Component** using **Simple Arithmetic Mean for Additive Model** only (For Trend free data only). **Concept of Forecasting using Least Squares Method**.

Index Numbers: Concept and usage of Index numbers, **Types** of Index numbers, Aggregate and Relative Index Numbers, Lasperye's, **Paasche's**, **Dorbisch-Bowley's**, **Marshall-Edgeworth** and **Fisher's ideal index** numbers, **Test of Consistency:** Time Reversal Test and Factor **Reversal Test**. **Chain Base Index Nos.** Shifting of Base year. **Cost of Living Index Numbers**, Concept of **Real Income**, **Concept of Wholesale Price Index Number**. (**Examples on missing values should not be taken**)

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5

Elementary Probability Distributions

Probability Distributions:

■ Discrete

Probability Distribution: Binomial, **Poisson** (Properties and applications only, no derivations are expected)

■ Continuous **Probability distribution: Normal Distribution.** (Properties and applications only, no derivations are expected)

Tutorial:

Two tutorials to be conducted on each unit i.e. **10 tutorials per semester**. At the end of each semester one **Tutorial assignment of 10 marks should** be given.

with effect from the Academic Year 2016-2017

Reference Books

Reference Books

Accountancy and Financial Management

Introduction to Accountancy by T. S. Grewal, S. Chand and Company (P) Ltd., New Delhi Advance Accounts by Shukla & Grewal, S. Chand and Company (P) Ltd., New Delhi

• **Advanced Accountancy by R. L Gupta and M Radhaswamy, S. Chand and Company (P) Ltd., New Delhi**

• **Modern Accountancy by Mukherjee and Hanif, Tata Mc. Grow Hill & Co. Ltd., Mumbai Financial Accounting by Lesile Chandwichk, Pentice Hall of India Adin Bakley (P) Ltd.**

• **Financial Accounting for Management by Dr. Dinesh Harsalekar, Multi-Tech. Publishing Co. Ltd., Mumbai.**

Financial Accounting by P. C. Tulsian, Pearson Publications, New Delhi Accounting Principles by Anthony, R.N. and Reece J.S., Richard Irwin Inc.

Financial Accounting by Monga, J.R. Ahuja, Girish Ahuja and Shehgal Ashok, Mayur Paper Back

• **Compendium of Statement & Standard of Accounting, ICAI.**

• **Indian Accounting Standards, Ashish Bhattacharya, Tata Mc. Grow Hill & Co. Ltd., Mumbai Financial Accounting by Williams, Tata Mc. Grow Hill & Co. Ltd., Mumbai**

Company Accounting Standards by Shrinivasan Anand, Taxman. Financial Accounting by V. Rajasekaran, Pearson Publications, New Delhi. Introduction to Financial Accounting by Horngren, Pearson Publications.

Financial Accounting by M. Mukherjee, M. Hanif. Tata McGraw Hill Education Private Ltd; New Delhi

Commerce

Business Organisation Management Maheshwari, Rajendra P, Mahajan, J.P., International Book House

• **Business Organisation, Maheshwari, Rajendra P, Mahajan, J.P., International Book House**

• **Introduction To Commerce, Vikram, Amit, Atlantic Pub**

• **A Course Book On Business Environment, Cherunilam, Francis, Himalaya Pub**

• **Business Environment, Cherunilam, Francis, Himalaya Pub**

• **Essentials Of Business Environment, Aswathappa, K., Himalaya Pub**

• **Essentials Of Business Environment, Aswathappa, Himalaya Pub**

• **Strategic Management, Kapoor, Veekkas, Taxmann**

- **Strategic Management, David, Fred R., Phi Leraning**
- **Strategic Management, Bhutani, Kapil, Mark Pub.**
- **Strategic Management, Bhutani, Kapil, Mark Pub.**
- **Entrepreneurship, Hisrich, Robert D, Mc Graw Hill**
- **Entrepreneurship Development, Sharma, K.C., Reegal Book Depot**
- **Service Marketing, Temani, V.K., Prism Pub**
- **Service Marketing, Temani, V.K., Prism Pub**
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Question Paper Pattern
(Practical Courses)

Maximum Marks: 100

Questions to be set: 06

Duration: 03 Hrs.

All Questions are Compulsory Carrying 15 Marks each.

Question

No

Q-1

Objective Questions

Particular

A) Sub Questions to be asked 12 and to be answered any 10 B)
Sub Questions to be asked 12 and to be answered any 10
(*Multiple choice / True or False / Match the columns/Fill in the blanks)

Marks

20 Marks

Q-2

Full Length Practical Question

15 Marks

OR

Q-2

Full **Length Practical** Question

Q-3

Full Length Practical Question

15 Marks

15 Marks

OR

Q-3

Full **Length** Practical Question

15 Marks

Q-4

Full Length Practical Question

15 Marks

OR

Q-4

Full Length **Practical** Question

15 Marks

Q-5

Full Length Practical Question

15 Marks

OR

Q-5

Full **Length Practical** Question

15 Marks

Q-6

A) Theory **questions**

10 Marks

B) Theory questions

OR

10 Marks

Q-6

Note:

Short Notes

To be asked 06

To be answered 04

20 Marks

Practical question of 15 marks may be divided into two sub questions of 7/8 and 10/5Marks.

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Question Paper Pattern
(Theoretical Courses)

Maximum Marks: 100

Questions to be set: 06

Duration: 03 Hrs.

All Questions are Compulsory Carrying 15 Marks each.

Question

No

Q-1

Objective Questions

Particular

A) **Sub Questions to be asked 12 and to be answered any 10 B)**
Sub Questions to be asked 12 and to be answered any 10
(*Multiple choice / True or False / Match the columns/Fill in the

Marks

20 Marks

blanks)

Q-2

Full Length Question

15 Marks

OR

Q-2

Full Length Question

Q-3

Full Length Question

15 Marks

15 Marks

OR

Q-3

Full Length Question

15 Marks

Q-4

Full Length Question

15 Marks

OR

Q-4

Full Length Question

15 Marks

Q-5

Full Length Question

15 Marks

OR

Q-5

Full Length Question

15 Marks

Q-6

A) **Theory** questions

10 Marks

B) Theory questions

OR

10 Marks

Q-6

Note:

Short Notes

To be asked 06

To be answered 04

20 Marks

Theory question of 15 marks may be divided into two sub questions of 7/8 and 10/5Marks.