

UNIVERSITY OF MUMBAI

No. UG/ 155 of 2018-19

CIRCULAR:-

Attention of the Principals of the affiliated Colleges and Directors of the recognized Institutions in Humanities, Commerce & Management and Science & Technology Faculties is invited to this office Circular No. UG/84 of 2018-19, dated 19th July, 2018, relating to syllabus as per the (CBCS) for F.Y.B.A. in Psychology – Sem I & II & invited to this office Circular No. UG/237 of 2017-18, dated 29th September, 2017, relating to the syllabus as per the (CBCS) for B.Com. (Acturial Studies) Three Year Integrated Program (Sem I to VI).

They are hereby informed that the recommendations made by the Board of Deans at its meeting held on 6th September, 2018 vide item No. 30 have been accepted by the Academic Council at its meeting held on 8th September, 2018 vide item No. 4.18 and that in accordance therewith, the college conducting such programme be allowed presently to (1) use the F.Y.B.A. (Psychology) syllabus for F.Y.B.Sc. (Psychology) and to (2) use the F.Y.B.Com. (Acturial Studies) syllabus for the F.Y.B.Sc. (Acturial Studies). The same has been brought into force with effect from the academic year 2018-19, accordingly. (The same is available on the University's website www.mu.ac.in).

MUMBAI – 400 032

14th March, 2019

To

(Dr. Ajay Deshmukh)
REGISTRAR

The Principals of the affiliated Colleges, the Head of the University Departments and Directors of the recognized Institutions in Humanities, Commerce & Management and Science & Technology Faculties. (Circular No.UG/334of 2017-18 dated 9th January, 2018.)

A.C/4.18/08/09/2018

No. UG/ 155 -A of 2018

MUMBAI-400 032

14th March, 2019

Copy forwarded with Compliments for information to:-

- 1) The I/c Dean, Faculty of Humanities,
- 2) The I/c Dean, Faculty of Commerce & Management,
- 3) The I/c Dean, Faculty of Science & Technology,
- 4) The Director, Board of Examinations and Evaluation,
- 5) The Director, Board of Students Development,
- 6) The Co-ordinator, University Computerization Centre,

(Dr. Ajay Deshmukh)
REGISTRAR

Cover Page

**AC 11-05-2017
Item No. 4.171**

UNIVERSITY OF MUMBAI



Syllabus for Approval

Sr. No.	Heading	Particulars
1	Title of the Course	B.Com. (Actuarial Studies)
2	Eligibility for Admission	H.S.C. with Mathematics as one of the subject
3	Passing Marks	As per norms of University of Mumbai for undergraduate programme
4	Ordinances / Regulations (if any)	As per norms
5	No. of Years / Semesters	3 years (6 semesters)
6	Level	P.G. / U.G./ Diploma / Certificate (Strike out which is not applicable)
7	Pattern	Yearly / Semester (Strike out which is not applicable)
8	Status	New / Revised (Strike out which is not applicable)
9	To be implemented from Academic Year	From Academic Year 2017-2018

Date:

Signature :

Name of BOS Chairperson / Dean : Dr. S.T.Gadade

University of Mumbai



B.Com. (Actuarial Studies) Programme Three Year Integrated Programme- Six Semesters *Course Structure*

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

To be implemented from Academic Year- 2017-2018 Progressively

Board of Studies-in-Commerce

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.	Modules / Units
1	Accounting standards issued by ICAI and Inventory valuation
	<ul style="list-style-type: none"> Accounting standards: Concepts, benefits, procedures for issue of accounting standards Various AS : AS – 1: Disclosure of Accounting Policies Purpose, Areas of Policies, Disclosure of Policies, Disclosure of Change in Policies, Illustrations 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
2	Final Accounts
	Expenditure: Capital, Revenue Receipts: Capital, Revenue Adjustment and Closing Entries Final accounts of Manufacturing concerns (Proprietary Firm)
3	Departmental Accounts
	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)

INSURANCE BUSINESS PAPER I (PRINCIPLES OF INSURANCE)

UNIT 1

The Conceptual Framework – What Is Insurance-Meaning and Definition – Brief History of Insurance – Understanding Perils and Risks – Classification of Risks and Hazards — Role of Insurance in Social and Economic Development – Classes of Insurance – Growth and Evolution of insurance Industry in India-Unique Characteristics of Insurance Business – Managing Risk – Introduction into insurance funds– Trustees in insurance business- Reinsurance –Linking Insurance with Social Security

UNIT 2

The Insurance Contract – Utmost Good Faith or Uberrima Fides – Insurable Interest – Insurer's Insurable Interest – Criminal Acts – Indemnity – Subrogation and Contribution – Proximate Cause – Personal and Non-Personal Contracts—Distinguishing insurance contracts with other contracts. Insurance Terminology – First Premium – Renewal – Mode – Limited Payment – Policies – Single Premium – Convertible – Days of Grace – Lapse – Paid Up Policy – Revival – Deferment Period – Nomination – Assignment – Bonus – Arbitration

UNIT 3

Insurance Products – Life Insurance Products including Government Schemes-Introduction to Non-Life Insurance , Fire ,Loss of Profits , Marine ,Marine Cargo ,Motor and Miscellaneous – Personal Accident ,Health , Hit and Run Cases ,Aviation Etc. –Insurance Policy and documents-Certificates of Insurance – Open Policy – Floater – Franchise – Coinsurance .Compensation under insurance-Total Loss – Actual or Constructive Loss – Bonus – Replacement – Policy value – Agreed Value – Full Value – First Loss – Increased Value .

UNIT 4

The Insurance Market – Life and Non-Life Insurers – Reinsurers – Individual and Corporate Agents – Brokers – Surveyors – Medical Examiners – Third Party Administrators – IRDA – Insurance Councils – Ombudsmen – Educational Institutes – Councils – Tariff Advisory Committee-Career Opportunities in Insurance Business. Ethical aspects of insurance business.

Financial Mathematics

Syllabus for Actuarial Science for B.Com Applied Course.

First Semester

Unit I

Functions and their applications

Introduction-Function-Types of functions-One-one functions, onto functions, algebraic functions, logarithmic functions and exponential functions, Graph of functions; Problems on functions.

Functions related to Business and Economics (Demand Function, Supply function, Cost function, Revenue function and Profit function. Problems based on these functions.

Unit 2

Sequences and Series

Sum of the series

Arithmetic Progression(AP) , Geometric Progression (GP)

Sum of AP, Sum of GP.

Unit 3

Permutations and Combinations

Introduction, Meaning of factorial notation,

Fundamental principle, Permutations, Problems on permutations..

Combinations, Problems on combinations.

Unit 4

Interest

Simple interest, Problems on simple interest.

Compound Interest, Problems on Compound interest.

Present Value, Nominal and Effective rate of interest

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	12
4	Language and Writing Skills	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)*

Sr. No.	Modules / Units
1	Theory of Communication 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.	Modules / Units
4	Language and Writing Skills 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 <ul style="list-style-type: none"> ▪ 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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Skill Enhancement Courses (SEC)

5. Foundation Course - I

Modules at a Glance

Sr. No.	Modules	No. of Lectures
1	Overview of Indian Society	05
2	Concept of Disparity- 1	10
3	Concept of Disparity-2	10
4	The Indian Constitution	10
5	Significant Aspects of Political Processes	10
Total		45

Sr. No.	Modules / Units
1	Overview of Indian Society
	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
2	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
3	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
4	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
5	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:

- 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

Note:

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

Skill Enhancement Courses (SEC)

5.Foundation Course in NSS - I

Modules at a Glance

Sr. No.	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.	Modules / Units
1	Introduction to NSS
	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
2	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
3	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
4	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

Skill Enhancement Courses (SEC)

5.Foundation Course in NCC - I

Modules at a Glance

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

Sr. No.	Modules / Units
1	Introduction to NCC, National Integration & Awareness
	<p>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.</p> <ul style="list-style-type: none"> • 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
2	Drill: Foot Drill
	<p>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.</p> <ul style="list-style-type: none"> • 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.
3	Adventure Training, Environment Awareness and Conservation
	<p>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.</p> <ul style="list-style-type: none"> • Any Two such as – Obstacle course, Slithering, Trekking, Cycling, Rock Climbing, Para Sailing, Sailing, Scuba Diving etc <p>Environment Awareness and Conservation Desired outcome: The student will be aware of the conservation of natural resources and protection of environment.</p> <ul style="list-style-type: none"> • Natural Resources – Conservation and Management • Water Conservation and Rainwater Harvesting

Sr. No.	Modules / Units
4	Personality Development and Leadership Desired outcome: The student will develop an all-round personality with adequate leadership traits to deal / contribute effectively in life. <ul style="list-style-type: none"> • 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
5	Specialized Subject: Army Or Navy Or Air <u>Army</u> 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 <ul style="list-style-type: none"> • Basic organisation of Armed Forces • Organisation of Army • Badges and Ranks B. Introduction to Infantry and weapons and equipments <ul style="list-style-type: none"> • Characteristics of 7.62mm SLR Rifle, Ammunition, Fire power, Stripping, Assembling and Cleaning C. Military history <ul style="list-style-type: none"> • Biographies of renowned Generals (Carriapa / Sam Manekshaw) • Indian Army War Heroes- PVCs D. Communication <ul style="list-style-type: none"> • Types of Communications • Characteristics of Wireless Technologies (Mobile, Wi-Fi etc.) <p style="text-align: center;">OR</p> <u>Navy</u> A. Naval orientation and service subjects <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • Principles of Ship Modelling • Maintenance and Care of tools
Sr. No.	Modules / Units
	C. Search and Rescue <ul style="list-style-type: none"> • SAR Organization in the Indian ocean

D. Swimming

Floating for three minutes and Free style swimming for 50 meters

OR

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

Skill Enhancement Courses (SEC)

5.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.	Modules / Units
1	Introduction to Basic Relevant concepts in Physical Education
	<ul style="list-style-type: none"> • 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
2	Components of Physical Fitness
	<ul style="list-style-type: none"> • 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.
3	Testing Physical Fitness
	<ul style="list-style-type: none"> • 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
	<ul style="list-style-type: none"> • Effect of exercises on Musculoskeletal system • Effect of exercises on Circulatory System • Effect of exercises on Respiratory System • Effect of exercises on Glandular System

Ability Enhancement Courses (AEC)

6.Environmental Studies I

Modules at a Glance

Sr. No.	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

Sr. No.	Modules / Units
1	Environment and Ecosystem
	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.
2	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
3	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
4	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 – Emerging Smart Cities and safe cities in India - Sustainable Cities
5	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

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

7.Business Economics I

Modules at a Glance

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

4	Cost of Production	10
Total		45

Sr. No.	Modules / Units
1	Introduction
	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
	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
4	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)

Suggested Syllabus for Semester II Accountancy Paper

Module I

IND AS 32 Financial Instruments – Presentation

IND AS 39 Financial Instruments – recognition and measurement

Module II

IND AS 107 Financial Instruments – disclosures in re-classification and fair value measurement and liquidity risk.

IND AS 109 Financial Instruments – classification, assessment of credit losses, hedge accounting and disclosures.

Module II

IND AS 104 Insurance Contracts

Contract classification and unbundling

Recognition and measurement

Nature and extent of risks arising in Insurance Contracts

Disclosure

Module IV

IND AS 19 Employee Benefits

Models used in actuarial valuation of gratuity in India. (Practical questions on valuation can be covered.)

Disclosures under AS 15 and AS 19

Reconciliation of Assets and liability, Assets ceiling

Impact on implementation

Suggested question paper pattern for Accountancy Paper (Semester II)

Q.1 (A) Practical Question from Module I	7 marks
(B) Practical question from Module I	8 marks
Or	
Q.1 Full length question from Module I	15 marks
Q.2 (A) Practical Question from Module II	7 marks
(B) Practical question from Module II	8 marks
Or	
Q.2 Full length question from Module II	15 marks
Q.3 (A) Practical Question from Module III	7 marks
(B) Practical question from Module III	8 marks
Or	
Q.3 Full length question from Module III	15 marks
Q.4 (A) Practical Question from Module IV	7 marks
(B) Practical question from Module IV	8 marks
Or	
Q.4 Full length question from Module IV	15 marks
Q.5 Objective type questions	15 marks
(Match the following, fill in the blanks, Give one word for MCQs)	
Or	
Q.5 Short notes (Answer any 3 out of 5)	15 marks

INSURANCE BUSINESS (Life and Other Contingencies)

UNIT I

Life Insurance Organization – Introduction –Approaches to life insurance– The Indian Context – Internal Organization – The Distribution System – Appointment of Agent-Functions of Agent – Agency continuation and termination– Remuneration To Agents – Trends in Life Insurance – Distribution Channels – Premiums and Bonuses – Net and Pure Premium – Premium Calculation-Lapse and Revival – Special Revival Scheme – Instalment Revival Scheme – Loan – Cum – Revival Scheme. Assignment, Nomination

UNIT II

Introduction to Actuarial Valuation – Bonus – Simple Reversionary Bonus – Compound Reversionary Bonus – Interim Bonus. Plans of Life Insurance – Death Cover – Survival Benefit – Term Assurance – Pure Endowment – Linked – Some Popular Plans- Common Variations – With Profit and Without Profit Policies – Joint Life Policies – Children Plans – Variable Insurance Plans – Postal Life Insurance.

UNIT III

Annuities – The Nature of Annuity – Immediate Annuity – Deferred Annuity. Group Insurance – Introduction – Meaning of Group Insurance – Types of Group Insurance Schemes – Group Gratuity Schemes – Ways To Meeting Gratuity Liability – Group Superannuation Scheme – Group Leave Encashment Scheme (GLES) – Other Group Schemes – Social Security Schemes. Other Special Need Plans – Industrial Life Insurance – Married Women’s Property (MWP) Act Policies – Plans for differently abled.

UNIT IV

Introduction to Health Insurance – Range of Products –Awareness about health Contingencies-Importance of Health Insurance in India-Growth and evolution of Health Insurance companies in India– Insurance and Equity Funds – Insurance and Debt Funds – Insurance and Money Market Funds – Liquid Funds – Balanced Funds – Premium Holiday – Annuities and Pensions –Future for Health Insurance

Financial Mathematics

Syllabus for Actuarial Science for B.Com Applied Course.

Second Semester

Unit 1

Matrices

Introduction – Definition of a Matrix, types of Matrices, Equal Matrices, Matrix Addition,

Multiplication of a matrix by a scalar, Matrix Multiplication, Problems on the above concepts.

Transpose of a matrix, Orthogonal; Matrix, Symmetric and Skew-symmetric Matrices, Determinant of a square Matrix, Adjoint of a Matrix, Inverse of a Matrix.

Problems based on the above concepts.

Elementary operations on a matrix, Reduction Method for finding inverse of a matrix, Solution of a system of Linear Equations.

Problems based on the above concepts.

Unit 2

Graph of Linear Inequalities

Introduction, Inequality, solution of an inequality, Graph of an inequality, System of Linear Inequalities,

Mathematical Formulation of Linear Programming Problems. Solution of Linear Programming Problems using graphical method up to two variables.

Application of Linear inequalities in Practical problems.

Unit 3

Annuity and Sinking Funds

Introduction- Concept of annuity, Classification of Annuities, Amount of an ordinary annuity, Present value of an Ordinary Annuity, Amount of an annuity due, Present value of an Annuity Due.

Amount of a deferred Annuity, sinking fund, Perpetual Annuity, Amortization, Leasing, Capital expenditure and bonds.

Unit 4

Shares and Mutual Funds

Introduction - Concept of share, face value, market value, dividend, equity shares, preferential shares, bonus shares. Problems based on these concepts..

b. 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.)

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)*

Sr. No.	Modules / Units
1	Presentation Skills
	Presentations: (to be tested in tutorials only) 4 Principles of Effective Presentation Effective use of OHP Effective use of Transparencies How to make a Power-Point Presentation
2	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
3	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.]
4	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,
 ChetanBhagat One Night At A Call Center, ChetanBhagat My Three Mistakes , ArindamChoudhary:
 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.]

Skill Enhancement Courses (SEC)

5. Foundation Course - II

Modules at a Glance

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

Sr. No	Modules /Units
1	Globalisation and Indian Society

	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.
2	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
3	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

Skill Enhancement Courses (SEC)

5. Foundation Course in NSS - II

Modules at a Glance

Sr. No.	Modules	No. of Lectures
1	Socio-economic Survey and Special Camp	10
2	Orientation of the College Unit and Communication Skills	15

3	Rapport with Community and Programme Planning	10
4	Government Organisations /Non-Government Organisations	10
Total		45

Sr. No.	Modules / Units
1	Socio-economic Survey and Special Camp
	<p>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</p> <p>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</p>
2	Orientation of the College Unit and Communication Skills
	<p>Training and orientation of the program unit in the college Leadership training – formation of need based programmes- Concept of campus to community(C to C) activities</p> <p>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</p>
3	Rapport with Community and Programme Planning
	<p>Working with individual group and community Ice breaking- interaction games – conflict resolution</p> <p>Program planning Programme planning- the concept and its features, requirements for successful implementation of program- program flow charting- feedback</p>
4	Government Organisations /Non-Government Organisations
	<p>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)</p> <p>Government schemes for community development Schemes os Government welfare departments for community development- provisions & examples</p>

Skill Enhancement Courses (SEC)

5.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

Sr. No.	Modules / Units
1	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 <ul style="list-style-type: none"> • 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. <ul style="list-style-type: none"> • 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
2	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. <ul style="list-style-type: none"> • Structure and Functioning of the Human Body • Hygiene and Sanitation (Personal and Food Hygiene) • Infectious & Contagious Diseases & Their Prevention
3	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. <ul style="list-style-type: none"> • 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
4	Weapon Training Desired outcome: The student shall have basic knowledge of weapons and their use and handling. <ul style="list-style-type: none"> • 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
Sr. No.	Modules / Units

5	Specialized Subject: Army Or Navy Or Air
	<p>Army</p> <p>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</p> <p>A. Map reading</p> <ul style="list-style-type: none"> • 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 <p>B. Field Craft and Battle Craft</p> <ul style="list-style-type: none"> • Introduction • Judging distance • Description of ground • Recognition, Description and Indication of landmarks and targets <p style="text-align: center;">OR</p> <p>Navy</p> <p>A. Naval Communication</p> <ul style="list-style-type: none"> • Introduction to Naval Modern Communication, Purpose and Principles <ul style="list-style-type: none"> ▪ Introduction of Naval communication ▪ Duties of various communication sub-departments • Semaphore <ul style="list-style-type: none"> ▪ Introduction of position of letters and prosigns ▪ Reading of messages ▪ Transmission of messages <p>B. Seamanship</p> <ul style="list-style-type: none"> • Anchor work <ul style="list-style-type: none"> ▪ Parts of Anchor and Cable, their identification • Rigging <ul style="list-style-type: none"> ▪ 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 <p>C. Boat work</p> <ul style="list-style-type: none"> • 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

Sr. No.	Modules / Units
	<p style="text-align: center;"><i>OR</i></p> <p>Air</p> <p>A. Air frames</p> <ul style="list-style-type: none"> • Aircraft Controls • Landing Gear <p>B. Instruments</p> <ul style="list-style-type: none"> • Basic Flight Instruments <p>C. Aircraft Particulars</p> <ul style="list-style-type: none"> • Aircraft Particulars (Type specific) <p>D. Aero modelling</p> <ul style="list-style-type: none"> • History of Aero modelling • Materials used in Aero modelling • Type of Aero models • Flying/ Building of Aero models

Skill Enhancement Courses (SEC)

5.Foundation Course in Physical Education- II

Modules at a Glance

Sr. No.	Modules	No. of Lectures
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
Total		60

Sr. No.	Modules / Units
1	Development of Fitness
	<ul style="list-style-type: none"> • 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
2	Health, Fitness and Diseases
	<ul style="list-style-type: none"> • 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
3	Yoga Education
	<ul style="list-style-type: none"> • 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
	<ul style="list-style-type: none"> • 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.

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

6.Commerce I (Business Environment Paper-II)

Modules at a Glance

Sr. No.	Modules	No. of Lectures
1	Business	12
2	Business Environment	11
3	Project Planning	12
4	Entrepreneurship	10
Total		45

Sr. No.	Modules / Units
1	Business
	<p>Introduction: Concept, Functions, Scope and Significance of business. Traditional and Modern Concept of business.</p> <p>Objectives of Business: Steps in setting business objectives, classification of business objectives, Reconciliation of Economic and Social Objectives.</p> <p>New Trends in Business: Impact of Liberalization, Privatization and Globalization, Strategy alternatives in the changing scenario, Restructuring and turnaround strategies</p>
2	Business Environment
	<p>Introduction: Concept and Importance of business environment, Inter-relationship between Business and Environment</p> <p>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.</p>
3	Project Planning
	<p>Introduction: Business Planning Process; Concept and importance of Project Planning; Project Report; feasibility Study types and its importance</p> <p>Business Unit Promotion: Concept and Stages of Business Unit Promotion, Location – Factors determining location, and Role of Government in Promotion.</p> <p>Statutory Requirements in Promoting Business Unit: Licensing and Registration procedure, Filing returns and other documents, Other important legal provisions</p>
4	Entrepreneurship
	<p>Introduction: Concept and importance of entrepreneurship, factors Contributing to Growth of Entrepreneurship, Entrepreneur and Manager, Entrepreneur and Intrapreneur</p> <p>The Entrepreneurs: Types of Entrepreneurs, Competencies of an Entrepreneur, Entrepreneurship Training and Development centers in India. Incentives to Entrepreneurs in India.</p> <p>Women Entrepreneurs: Problems and Promotion.</p>

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

7. Business Economics II

Modules at a Glance

Sr. No.	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
Total		45

Sr. No.	Modules / Units
1	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
2	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
	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)
4	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)

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

Reference Books

Reference Books
Accountancy and Financial Management
<ul style="list-style-type: none"> • 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 LesileChandwichk, Pentice Hall of India AdinBakley (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, GirishAhujaandShehgal 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 ShrinivasanAnand, 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
<ul style="list-style-type: none"> • 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, McGraw Hill • Entrepreneurship Development, Sharma, K.C., Reegal Book Depot • Service Marketing, Temani, V.K., Prism Pub • Service Marketing, Temani, V.K., Prism Pub • Management Of Service Sector, Bhatia, B S, V P Pub • Introduction To E – Commerce, Dhawan, Nidhi, International Book House • Introduction To Retailing, Lusch,Robert F.,Dunne,Patrick M., Carver,James R.,Cengage Learning • Retailing Management, Levy Michael., Weitz Barton A,TataMcgraw Hill

Reference Books
Business Economics
<ul style="list-style-type: none"> • Mehta, P.L.: <i>Managerial Economics – Analysis, Problem and Cases</i> (S. Chand & Sons, N. Delhi, 2000) • Hirchey .M., <i>Managerial Economics</i>, Thomson South western (2003) • Salvatore, D.: <i>Managerial Economics in a global economy</i> (Thomson South Western Singapore, 2001) • Frank Robert.H, Bernanke. Ben S., <i>Principles of Economics</i> (Tata McGraw Hill (ed.3) • Gregory Mankiw., <i>Principles of Economics</i>, Thomson South western (2002 reprint) • Samuelson & Nordhas.: <i>Economics</i> (Tata McGraw Hills, New Delhi, 2002) • Pal Sumitra, <i>Managerial Economics cases and concepts</i> (Macmillan, New Delhi, 2004)
Business Communication
<ul style="list-style-type: none"> • Agarwal, AnjuD(1989) <i>A Practical Handbook for Consumers</i>, IBH. • Alien, R.K.(1970) <i>Organisational Management through Communication</i>. • Ashley,A(1992) <i>A Handbook Of Commercial Correspondence</i>, Oxford University Press. • Aswalthapa, K (1991)<i>OrganisationalBehaviour</i>, Himalayan Publication, Mumbai. • Atreya N and Guha (1994) <i>Effective Credit Management</i>, MMC School of Management, Mumbai. • Bahl,J.C. and Nagamia,S.M. (1974) <i>Modern Business Correspondence and Minute Writing</i>. • Balan,K.R. and Rayudu C.S. (1996) <i>Effective Communication</i>, Beacon New Delhi. • Bangh, LSue, Fryar,Maridell and Thomas David A. (1998) <i>How to Write First Class Business Correspondence</i>, N.T.C. Publishing Group USA. • Banerjee, Bani P (2005) <i>Foundation of Ethics in Mangement Excel Books 10.Businessworld Special Collector's Issue: Ethics and the Manager</i> • Barkar, Alan(1993) <i>Making Meetings Work</i>, Sterling Publications Pvt. Ltd., New Delhi. • Basu,C.R.(1998) <i>Business Organisation and Management</i>, T.M.H.New Delhi. • Benjamin, James (1993) <i>Business and Professional Communication Concepts and Practices</i>, Harper Collins College Publishers, New York. • Bhargava and Bhargava91971) <i>Company Notices, Meetings and Regulations</i> • Black, Sam (1972) <i>Practical Public Relations</i>, E.L.B.S. London. • BoveeCourtland,L and Thrill, John V(1989) <i>Business Communication</i>, Today McGraw Hill, New York, Taxman Publication. • Burton, G and Thakur, (1995) <i>Management Today- Principles and Practices</i>. T.M.H.,New Delhi. • Darrow, Richard, Forstal, Dan and Coolman, Aubrey (1967) <i>Public Relations Handbook</i>, TheDartwell Co., Chicago. • Dayal, Ishwar(9810) <i>Managing Large Organizations: A Comparative Study</i>. • Drucher,P.F.((1970) <i>Technology, Management and Society</i>, Pan Books London. • Drucher,P.F.((1974)<i>Management Responsibilities Practices</i>, Heinemann, London. 22.Eyre, E.C. (1985) <i>Effective Communication Made Simple</i>, Rupa and Co.Calcutta. • Ecouse Barry, (1999), <i>Competitive Communication: A Rhetoric for Modern Business</i>, OUP. • Fisher Dalmar, (1999), <i>Communication in Organisation</i>, Jaico Pub House, Mumbai, Delhi. • Frailley, L.E. (1982) <i>Handbook of Business Letters</i>, Revised Edn. Prentice Hall Inc. • French, Astrid (1993) <i>Interpersonal Skills</i>. Sterling Publishers, New delhi. • 27 Fritzsche, David J (2005) <i>Business Ethics: A Global and Managerial Perspective</i> McGraw Hill • Garlside, L.E. (1980) <i>Modern Business Correspondence</i>, McDonald and Evans Ltd. Plymouth. • Ghanekar,A(1996) <i>Communication Skills for Effective Management</i>. Everest Publishing House, Pune. • Graves, Harold F. (1965) <i>Report Writing</i>, Prentice Hall, New Jersey. • Gupta, Anand Das (2010) <i>Ethics, Business and Society: Managing Responsibly Response Books 32</i>.Gupta, Dipankar (2006) <i>Ethics Incorporated: Top Priority and Bottom Line Response Books</i> • Krevolin, Nathan (1983) <i>Communication Systems and Procedures for Modern Office</i>, Prentice Hall, New Jersey. • Lesikar, Raymond V and Petit, John D.(1994) <i>Business Communication: Theory and Application</i> , Richard D. Irwin Inc. Illinois.

Reference Books
<ul style="list-style-type: none"> • Ludlow, Ron. (1995) <i>The Essence of Effective Communication</i>, Prentice, New Delhi. • 36. M. Ashraf, Rizvi (2006) <i>Effective Technical Communication</i> Tata McGraw Hill • Martson, John E. 1963) <i>The Nature of Public Relations</i>, McGraw Hill, New Delhi. • Majumdar, P.K. (1992) <i>Commentary on the Consumer protection Act</i>, Prentice, New Delhi. • McQuail, Denis (1975), <i>Communication</i>, Longman. • Merrihue, William (1960) <i>Managing by Communication</i>, McGraw Hill, New York. 41. Mishra Rajiv K (2006) <i>Code of Conduct for Managers</i> Rupa Company • Monippalli, M.M. (1997), <i>The Craft of Business Letter Writing</i>, T.M.H. New Delhi. • Montagu, A and Matson, Floyd (1979) <i>The Human Connection</i>, McGraw Hill, New York. • Murphy, Herta and Hilde Brandt, Herbert W (1984) <i>Effective Business Communication</i>, McGraw Hill, New York. • Parry, John (1968) <i>The Psychology of Human Communication</i>. • Parson, C.J. and Hughes (1970) <i>Written Communication for Business Students</i>, Great Britain. • Peterson, Robert A and Ferrell, O.C (2005) <i>Business Ethics: New Challenges for Business Schools and Corporate Leaders</i> Prentice Hall of India Pvt., Ltd • Phillip, Louis V. (1975) <i>Organisational Communication- The Effective Management</i>, Columbus Grid Inc. 49.. Ross, Robert D. (1977) <i>The Management of Public Relations</i>, John Wiley and Sons, U.S.A. • Sadri Sorab, Sinha Arun and Bonnerjee peter (1998) <i>Business Ethics: Concepts and Cases</i> Tata McGraw Hill Public Company Limited • Shekhar, R.C (1997) <i>Ethical Choices in Business Response Books</i> • Stephenson, James (1988) <i>Principles and Practice of Commercial Correspondence</i>, Pilman and Sons Ltd. London. • 53.. Shurter, Robert L. (1971) <i>Written Communication in Business</i>, McGraw Hill, Tokyo
Environmental Studies
<ul style="list-style-type: none"> • Singh, Savindra, 2011 : <i>Environmental Geography</i>, Prayag Pustak Bhavan, Allahabad, India • Gautam Alka, 2009 : <i>Environmental Geography</i>, Sharda Pustak Bhavan, Allahabad, India • Odum E.P. (1971) : <i>Fundamentals of Ecology</i>, W.B. Saunders, Philadelphia • Botkin D.B. & Keller E.A., 1995 : <i>Environmental Science</i>, John Wiley & Sons, New York • McKinney M.L. & Schoch R.M., 1998 : <i>Environmental Science</i>, Jones & Bartlett Publishers, London • Allaby M. 2002 : <i>Basics of Environmental Sciences</i>, Routledge, London • Detwyler T.R., 1971: <i>Man's Impact on Environment</i>, McGraw-Hill, New York • Rao K.L. 1975 : <i>India's Water Wealth</i>, Orient Longman Ltd. New Delhi • Ahirrao W.R. & others, <i>Paryavaran Vijnan (Marathi)</i>, Nirali Prakashan, Pune
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<ul style="list-style-type: none"> • <i>Social and Economic Problems in India</i>, Naseem Azad, R Gupta Pub (2011) • <i>Indian Society and Culture</i>, Vinita Padey, Rawat Pub (2016) • <i>Social Problems in India</i>, Ram Ahuja, Rawat Pub (2014) • <i>Faces of Feminine in Ancient, medieval and Modern India</i>, Mandakranta Bose Oxford University Press • <i>National Human rights commission- disability Manual</i> • <i>Rural, Urban Migration : Trends, challenges & Strategies</i>, S Rajagopalan, ICFAI- 2012 • <i>Regional Inequities in India</i> Bhat L SSSRD- New Delhi • <i>Urbanisation in India: Challenges, Opportunities & the way forward</i>, I J Ahluwalia, Ravi Kanbur, P K Mohanty, SAGE Pub (2014) • <i>The Constitution of India</i>, P M Bakshi 2011 • <i>The Problems of Linguistic States in India</i>, Krishna Kodesia Sterling Pub • <i>Politics in India: structure, Process and Policy</i> Subrata Mitra, Routledge Pub • <i>Politics in India</i>, Rajani Kothari, Orient Blackswan • <i>Problems of Communalism in India</i>, Ravindra Kumar Mittal Pub • <i>Combating communalism in India: Key to National Integration</i>, Kawal Kishor Bhardwaj, Mittal Pub

Reference Books
Foundation Course in NSS
<ul style="list-style-type: none"> • <i>National Service Scheme Manual (Revised) 2006, Government of India, Ministry of Youth Affairs and Sports, New Delhi.</i> • <i>University of Mumbai National Service Scheme Manual 2009.</i> • <i>Avhan Chancellor's Brigade - NSS Wing, Training camp on Disaster Preparedness Guidelines, March 2012</i> • <i>RashtriyaSevaYojanaSankalpna - Prof.Dr.SankayChakane, Dr.Pramod\Pabrekar, Diamond Publication, Pune</i> • <i>National Service Scheme Manual for NSS District Coordinators, National Service Scheme Cell, Dept. of Higher and Technical Education, Mantralaya,</i> • <i>Annual report of National Service Scheme (NSS) published by Dept. of Higher and Technical Education, Mantralaya,</i> • <i>NSS Cell, Dept. of Higher and Technical Education, Mantralaya, UTKARSHA- Socio and cultural guidelines</i> • <i>Case material as a Training Aid for Field Workers, Gurmeet Hans.</i> • <i>Social service opportunities in hospitals, Kapil K. Krishnan, TISS</i> • <i>New Trends in NSS, Research papers published by University of Pune</i> • <i>ANOOGUNJ Research Journal, published by NSS Unit C. K. Thakur college</i> • <i>Training Manual for Field Work published by RGNIID, Chreepurumbudur</i> • <i>Prof.Ghatole R.N. Rural Social Science and Community Development.</i> • <i>PurushottamSheth, Dr.Shailaja Mane, National Service Scheme</i> • <i>Joint programme of National Service Scheme, University of Mumbai & DISHA - DEEPSHIKHA Projects, Nair Hospital, 2011-12</i> • <i>National Service Scheme in India: A Case study of Karnataka, M. B. Dishad, Trust Publications, 2001</i> • http://www.thebetterindia.com/140/national-service-scheme-nss/ • http://en.wikipedia.org/wiki/national-service-scheme 19=http://nss.nic.in/adminstruct • http://nss.nic.in/propexpan • http://nss.nic.in • http://socialworknss.org/about.html
Foundation Course in NCC
<ul style="list-style-type: none"> • <i>Cadet's Hand book – Common subject..all wings, BY DG NCC, New Delhi.</i> • <i>Cadet's Hand book – Specialised Subjects, Army, Navy, Air-force, BY DG NCC, New Delhi.</i> • <i>NCC OTA Precise, BY DG NCC, New Delhi.</i> • <i>“AVAN” Model of Disaster Mang.,VinayakDalvie, Proceedings of Int. Conf. on Urban Plan. andEnvStrat& Challenges, Elphinstone College, Jan 2007.</i> • <i>Humanistic Tradition of India,N.L.Gupta, Mohit Publication, New Delhi</i> • <i>Social psychology, Baron & Byrne, Pearson Publication, 12th Edition self awareness know yourself / insight (110) Group & Individuals (374) Group discussion</i> • <i>Chanakya's 7 Secrets of Leadership, RadhakrishnanPillai and D.Shivnandhan, Jaico</i> • <i>Social Psychology: Understanding Human Interaction, Baron, Robert A., (302/BAR/BYR), 7th Edition</i> • <i>Seven Habits of Highly Effective People., Covey , Stephen</i> • <i>The Habit of Winning., Iyer , Prakash, Penguin , India ; 2011</i> • <i>The Goal, Goldratt , Eliyahu, The Northriver press ; 1994</i> • <i>Freedom Struggle, Chandra Bipin, National Book Trust 1972</i> • <i>Freedom of Religion and The Indian Judiciary, Bachal V.M. , ShubhadaSaraswat, (362P)</i> • <i>India 1996- A Reference Annual Govt. of India</i> • <i>SahaSoneri Pane, Vinayak D. Savarkar</i> • <i>Environmental Biology and Toxicology, P.D. Sharma., Rastogi Publication</i> • <i>Environmental Science, S.C. Santra, New Central Book Agency</i>

Reference Books
<ul style="list-style-type: none"> • <i>National Cadet Corps (India)</i>, Lambert M. Surhone, Mariam T. Tennoe, Susan F. Henssonow, Betascript Publishing, 2011 • <i>National Cadet Corps, Youth in Action (Google eBook)</i>, National Cadet Corps (India), Lancer Publishers, 2003 • <i>Youth in Step: History of the National Cadet Corps</i>, V. Longer, Lancer international, 1983Original from the University of Michigan • <i>National Cadet Corps of India</i>, Man Mohan Sharma, Vision Books, 1980Original from the University of Michigan • <i>The National Cadet Corps Act, 1948, as Modify Up to the 1st July 1963</i>, India, Government of India Press, 1963(Military Law) • <i>Cadet Corps in India: Its Evolution and Impact</i>, Satis Chandra Maikap, DarbariUdyog, 1979Original from the University of California • <i>National Cadet Corps: 100 Years of Distinction</i>, National Cadet Corps (Singapore), NCC • <i>The NCC, Singapore</i>, National Cadet Corps Council, National Cadet Corps Council • <i>Grooming Tomorrow's Leaders: National Cadet Corps, 1917-2006</i>, R.S. Chhettri, Lancer Publishers, 2006 • <i>National Civil Defence Cadet Corps</i>, Lambert M. Surhone, Mariam T. Tennoe, Susan F. Henssonow, Betascript Publishing, 2011 • <i>Discovery of India</i>, Jawaharlal Nehru • <i>Health and Hygiene</i>, Manoj. J.S., Agra University Publication • <i>Yoga for Healing</i>, Venkateswaran P.S., Bombay:- Jaico Publishing House 1989 • <i>Yoga Illustrated</i>, New Delhi, Ministry of Information and Broadcasting, 1995 • <i>Yoga Practice</i>, 1972, Shivannde Swami, Mumbai:- D.B. Taraporewala 1972 • <i>Yoga of Patanjali-1979</i>, Yardi M.R., Bhandarkar Oriental Research Institute- 1974 • <i>Sustainable Development (An Alternative Paradigm)</i>, Satpathy , N., Karnavati Publications , Ahmedabad • <i>Global Partners for Sustainable Development</i>, Pachauri R.K &Srivastava L., Tata Energy Research Institute, New Delhi ; 1994, 1998 • <i>Ecology and the Politics of survival : Conflict over Natural Resources in India</i>, Shiva , Vandana, Sage Publications , California , 1991
Foundation Course in Physical Education
<ul style="list-style-type: none"> • LippianCott Williams and Wilkins 2006. • American College of Sports Medicine, ACSM's, <i>Guidelines for Exercise Testing and Prscription. (2013) Ninth Edition</i>, LippianCott Williams and Wilkins. • American College of Sports Medicine, ACSM's <i>Resource Manual for Guidelines for Exercise Testing and Prscription. (2006) 5th Ed.</i>, LippianCott Williams and Wilkins, 2006. • Beashel, P.,& Taylor, J. (1996). <i>Advance Studies in Physical Education and Sports</i>. U.K.: Thomas Nelson and Sons Ltd. • Bucher, C.A. (1995). <i>Foundation of Physical Education (12th Ed.)</i> USA : St. Louis, • C.V. Mosloy. • Colfter, G.R., Hamilton, K.E., Magill R.A.,& Hamilton B.J. (1986). <i>Contemporary Physical Education</i>. USA :Wim C. Brown Publisher. • Daryl S. (1994). <i>Introduction to physical education, fitness and sports (2nd ed.)</i>. London: Mayfield publishing company. • Dheer, S.D.(1991). <i>Introduction to Health Education</i>. New Delhi : Friends Publication. • Dr.A.K.Uppal&Dr. G. P. Gautam (2004). <i>Physical education and Health</i>. Delhi: Friends publisher. • Dr.Gharote M. L; <i>Teaching Methods for Yogic Practices. – 2nd Ed.</i>, KaivalyadhamSamiti, Lonavala- 2001. • Dr.Gharote M. L; <i>Guideline for Yogic Practices – 2nd Ed.</i>, The Lonavala Yoga Institute (India), Lonavala- 2007 • Greenberg, Dintiman, Oakes. (2004). <i>Physical Fitness & wellness.(3rd ed.)</i> IL:Human kinetics.

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- Lock Hurt and others – *Anatomy of the human body*, Feber&Feber Oxford University, 1975
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- Murgesh N. – *Anatomy, Physiology and Health Education*, Sathya, Chinnalapatti, 1990.
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- Sharma, O.P. (1998). *History of Physical Education*. Delhi: KhelSahityaKendra.Werner. W.K., Hoeger. (2007). *Fitness and Wellness*. (8th ed.). Wadsworth, Cengage Learning.

Mathematical and Statistical Techniques

- *Mathematics for Economics and Finance Methods and Modelling* by Martin Anthony and Norman Biggs, Cambridge University Press, Cambridge low-priced edition, 2000, Chapters 1, 2, 4, 6 to 9 & 10.
- *Applied Calculus*: By Stephen Waner and Steven Constenoble, Brooks/Cole Thomson Learning, second edition, Chapter 1 to 5.
- *Business Mathematics* By D. C. Sancheti and V. K. Kapoor, Sultan Chand & Sons, 2006, Chapter 1, 5, 7, 9 &10.
- *Mathematics for Business Economics*: By J. D. Gupta, P. K. Gupta and Man Mohan, Tata Mc- Graw Hill Publishing Co. Ltd., 1987, Chapters 9 to 11 & 16.
- *Quantitative Methods-Part-I* By S. Saha and S. Mukerji, New Central Book Agency, 1996, Chapters 7 & 12.
- *Mathematical Basis of Life Insurance* By S.P. Dixit, C.S. Modi and R.V. Joshi, Insurance Institute of India, Chapters 2: units 2.6, 2.9, 2.20 & 2.21.
- *Securities Laws & Regulation of Financial Market : Intermediate Course Paper 8*, Institute of Company Secretaries of India, Chapter 11.
- *Investments* By J.C. Francis & R.W. Taylor, Schaum's Outlines, Tata Mc-Graw Hill Edition 2000, Chapters 2,4& section 25.1.
- *Indian Mutual Funds Handbook* : By SundarShankaran, Vision Books, 2006, Sections 1.7,1.8.1,6.5 & Annexures 1.1to 1.3.
- *STATISTICS* by Schaum Series.
- *Operations Research* by Gupta and Kapoor
- *Operations Research* by Schaum Series
- *Fundamentals of Statistics* - D. N. Elhance.
- *Statistical Methods* - S.G. Gupta (S. Chand & Co.
- *Statistics for Management* - Lovin R. Rubin D.S. (Prentice Hall of India)
- *Statistics - Theory, Method & Applications* D.S.Sancheti& V. K. Kapoor.
- *Modern Business Statistics - (Revised)-B. Pearles& C. Sullivan* –Prentice Hall of India.
- *Business Mathematics & Statistics*: B Aggarwal, Ane Book Pvt. Limited
- *Business Mathematics*: D C Sancheti& V K Kapoor, Sultan Chand & Sons
- *Business Mathematics*: A P Verma, Asian Books Pvt. :Limited.

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	Particular	Marks
Q-1	Objective Questions 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)	20 Marks
Q-2	Full Length Practical Question OR	15 Marks
Q-2	Full Length Practical Question	15 Marks
Q-3	Full Length Practical Question OR	15 Marks
Q-3	Full Length Practical Question	15 Marks
Q-4	Full Length Practical Question OR	15 Marks
Q-4	Full Length Practical Question	15 Marks
Q-5	Full Length Practical Question OR	15 Marks
Q-5	Full Length Practical Question	15 Marks
Q-6	A) Theory questions B) Theory questions OR	10 Marks 10 Marks
Q-6	Short Notes To be asked 06 To be answered 04	20 Marks

Note:

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

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	Particular	Marks
Q-1	Objective Questions 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)	20 Marks
Q-2	Full Length Question OR	15 Marks
Q-2	Full Length Question	15 Marks
Q-3	Full Length Question OR	15 Marks
Q-3	Full Length Question	15 Marks
Q-4	Full Length Question OR	15 Marks
Q-4	Full Length Question	15 Marks
Q-5	Full Length Question OR	15 Marks
Q-5	Full Length Question	15 Marks
Q-6	A) Theory questions B) Theory questions OR	10 Marks 10 Marks
Q-6	Short Notes To be asked 06 To be answered 04	20 Marks

Note:

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

University of Mumbai



**B.Com. (Actuarial
Studies) Programme
Three Year Integrated Programme-
Six Semesters
*Course Structure***

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

**To be implemented from Academic Year- 2017-2018
Progressively**

Board of Studies-in-Commerce

B.Com. (Actuarial studies) Programme
Under Choice Based Credit, Grading and Semester System
Course Structure

F.Y.B.Com. (Actuarial Studies)

(To be implemented from Academic Year- 2017-2018)

No. of Courses	Semester I	Credits	No. of Courses	Semester II	Credits
1	Elective Courses (EC)		1	Elective Courses (EC)	
1	Financial Accounting (Elements of Financial Accounting) - Paper I	03	1	Financial Accounting (Accounting Standards on Banking, Insurance, Employee Benefits, Pensions and Financial Instruments) - Paper II	03
2	Insurance Business (General insurance) Paper I	03	2	Insurance Business (Life and Health Contingencies) Paper II	03
3	Financial Mathematics –Paper I	03	3	Financial Mathematics –Paper II	03
2	Ability Enhancement Courses (AEC)		2	Ability Enhancement Courses (AEC)	
4	Business Communication (Theoretical) - Paper I	03	4	Business Communication– Paper II	03
5	Foundation Course (same as other B.Com programmes) - Paper I/ NSS/ NCC/ Physical Education	03	5	Foundation Course (Value Education & Soft Skill) - Paper II/ NSS/ NCC/ Physical Education	03
3	Core Courses (CC)		3	Core Courses (CC)	
6	Environmental Studies Paper I	03	6	Business Environment Paper II (General commercial knowledge, Entrepreneurship and Business Development)	03
7	Business Economics (Micro & Macro Economics) – Paper I	03	7	Business Economics - Paper II	03
Total Credits		21	Total Credits		21

Comment [H1]: "Appreciation of grammar and literature" may be more useful to build a foundation.

In the above mentioned course structure we propose to adopt the existing syllabus taught under the current B.Com Course namely Financial Accounting Paper I, Business Communication Paper I & II, Foundation Course I & II, Environmental Studies Paper I and Business Economics Paper I & II. The Commerce Paper I taught in Semester I under the current programme shall be included as Business Environment Paper II in Semester II.

S.Y.B.Com. (Actuarial Studies)

(To be implemented from Academic Year- 2018-2019)

No. of Courses	Semester III	Credits	No. of Courses	Semester IV	Credits
1	Elective Courses (EC)		1	Elective Courses (EC)	
1,2 & 3	*Any three courses from the following list of the courses	09	1,2 & 3	*Any three courses from the following list of the courses	09
2	Ability Enhancement Courses (AEC)		2	Ability Enhancement Courses (AEC)	
4	Information Technology in service sector – Paper I	03	4	Information Technology in insurance – Paper II	03
3	Core Courses (CC)		3	Core Courses (CC)	
5	Management (Introduction to Management) – Paper I	03	5	Management (Introduction to Management) - Paper II	03
6	Insurance Laws and Regulation –Paper I	03	6	Insurance Laws and Regulation –Paper II	03
7	Mathematical modeling (Survival Models)- Paper I	03	7	Mathematical modelling- (Stochastic Models) Paper II	03
Total Credits		21	Total Credits		21

Comment [H2]: IT skills in spreadsheets name financial, statistical, data functions. Also, an appreciation of modeling, and basic programming around VB.

Comment [H3]: Insurance industry uses software like SPSS, STATA, etc which are based on statistics. Maybe this should be spelt out?

Comment [H4]: “Structures affecting National Insurance Regulation and Supervision” e.g. IAIS, ICPS, World Bank Pillars of Pension, UNFCCC affecting agricultural insurance premium and farmers’ loss and damage, etc.

It would be worthy to provide a macro view of law and regulation from India’s signing various treaties and pressures from multi lateral organizations in this semester and then move to bespoke insurance regulation and supervision in India in the next semester.

Comment [H5]: Of insurance companies, banks, NBFCs and pension funds? I recommend the auditing paper focuses on BFSI sector only.

*List of Discipline Related Elective(DRE) Courses for Semester III (Any One)		*List of Discipline Related Elective(DRE) Courses for Semester IV (Any One)	
1	Actuarial Risk Management-Paper I	1	Actuarial Risk Management-Paper II
2	Pricing and Valuation in Insurance Paper I	2	Pricing and Valuation in Insurance Paper II
3	Auditing (Techniques of Auditing and Audit Procedures)- Paper I	3	Auditing (Techniques of Auditing and Audit Procedures)- Paper II
4	Documentation ,Analysis and Reporting Paper I	4	Documentation ,Analysis and Reporting Paper II
5	Innovations in insurance sector (Relating to Climate insurance, Crop insurance, Micro Insurance, Deposit insurance etc.,)Paper I	5	Innovations in insurance sector (Relating to Climate insurance, Crop insurance, Micro Insurance, Deposit insurance etc.,) Paper II
Note: Course/ Subject selected in Semester III will continue in Semester IV			



T.Y.B.Com. (Actuarial Studies)

(To be implemented from Academic Year- (2019-2020))

No. of Courses	Semester V	Credits	No. of Courses	Semester VI	Credits
1	Elective Courses (EC)		1	Elective Courses (EC)	
1,2,3 & 4	*Any four courses from the following list of the courses	12	1,2,3 & 4	*Any four courses from the following list of the courses	12
2	Core Courses (CC)		2	Core Courses (CC)	
5	Customer Relationship Management –Paper I	03	5	Customer Relationship Management –Paper II	03
3	*Project Work		3	*Project Work	
6	Project Work I	03	6	Project Work II	03
Total Credits		18	Total Credits		18

Note: Project work is considered as a special course involving application of knowledge in solving/analyzing/exploring a real life situation/ difficult problem. Project work would be of 03 credits. A project work may be undertaken in any area of Elective Courses/ study area

*List of Elective Courses for Semester V (Any Four)		*List of Elective Courses for Semester VI (Any Four)	
1	Advanced Financial Mathematics paper I	1	Advanced Financial Mathematics Paper II
2	Investment Analysis-Paper I	2	Investment Analysis-Paper II
3	Behavioural Finance (OR Functional language studies Paper I (Hindi, Marathi or Sanskrit) We suggest language option if it does not affect the norms)	3	International insurance contracts (OR Functional language studies Paper II(Any Foreign Language other than English) We suggest language option if it does not affect the norms)
4	Insurance Claim negotiation and settlement - Paper I	4	Insurance Claim negotiation and settlement - Paper II
5	Life Contingencies Paper I	5	Life Contingencies Paper II
6	Mathematics of Demography	6	Enterprise Risk Management
Note: Course/ Subject selected in Semester V will continue in Semester VI			

Project work may be undertaken by the students by choosing a specific area of insurance like General, life, vehicle, fire or a general study relating to problems in settlement. Valuation of business or build a model for any of the chosen area of . It may include drawing an insurance contract for crop insurance such that the insurance benefit may reach the bottom of the pyramid.

Suggestion for functional language is given because almost all of the excluded population in the insurance sector needs to be addressed with the language they are familiar with. Job opportunities will increase with this endeavour.

Comment [H6]: This paper could be called 'Advanced Financial Economics'. It would cover financial investments and derivatives.

Comment [H7]: Instead of claims negotiation (which should be covered earlier in India insurance regulation), two paper on 'Statistical modeling' may be appropriate.

I recommend these two papers are moved to SY BCom and the papers on Survival Models and Stochastic Models tested in TY BCom.

Comment [H8]: Math of Demography will be covered in survival models. Instead could 'Behavioral Finance' become a paper here? That would make language studies an option at no. 3 an 'option within an option'. It is necessary that students appreciate national/ state language at a greater depth and in its application to the commercial environment.

**Revised Syllabi for Psychology Core Courses (Major Elective) at the F.Y.B.A.
Choice Based Credit System (CBCS)
Brought into force with effect from the academic year 2018-2019**

Code	Sem.	Course Title	Credits	Marks
UAPSY 101	1	Fundamentals of Psychology- Part I	3	100
UAPSY201	2	Fundamentals of Psychology- Part II	3	100

Objectives: -

1. To impart knowledge of the basic concepts and modern trends in Psychology.
2. To foster interest in the subject of Psychology and to create a foundation for further studies in Psychology.
3. To make the students aware of the applications of Psychological concepts in different areas of day to day life.

Semester 1. Fundamentals of Psychology: Part I (Credits = 3)

4 lectures per week

Unit 1. The science of Psychology

- a) The history of Psychology.
- b) The Fields of Psychology Today.
- c) Scientific research.
- d) Ethics of Psychological Research.
- e) Applying Psychology to Everyday life.

Unit 2. The Biological Perspective.

- a) Neurons and Nerves : Building the Network.
- b) An overview of the Nervous System.
- c) Distant connections: The Endocrine Glands.
- d) Looking inside the Living Brain.
- e) From the Bottom up : The structures of the Brain.
- f) Classic studies in Psychology.
- g) Applying Psychology to Everyday life.

Unit 3. Learning.

- a) Definition of Learning.
- b) Classical conditioning, and Operant conditioning
- c) Cognitive learning Theory.
- d) Observational Learning.

Unit 4. Memory

- a) What is memory?
- b) The Information Processing Model: Three Memory Systems.
- c) Retrieval of Long –term Memories.

- d) Forgetting.
- e) Neuroscience of memory.
- f) Applying Psychology to Everyday life.

Semester 2. Fundamentals of Psychology: Part II (Credits = 3)

4 lectures per week

Unit 1. Cognition: Thinking, Intelligence, and Language.

- a) How People think.
- b) Intelligence.
- c) Language
- d) Applying Psychology to Everyday life.

Unit 2. Motivation and Emotion.

- a) Approaches to understanding Motivation.
- b) What, Hungry again? Why People Eat.
- c) Emotion.
- d) Culture and Emotions.
- e) Applying Psychology to Everyday life.

Unit 3. Theories of Personality.

- a) Psychodynamic Perspective.
- b) Psychoanalysis in the East.
- c) The Behavioural and Social Cognitive View of Personality.
- d) The Third Force: Humanism and Personality.
- e) Trait Theories: Who are you?
- f) Modern Trait Theories: The Big Five and current thoughts on the trait Perspective.
- g) Personality: Genetics and Culture.
- h) Assessment of Personality.
- i) Applying Psychology to Everyday life.

Unit 4. Statistics in Psychology.

- a) What are Statistics?
- b) Descriptive Statistics.
- c) Inferential Statistics.

Book for Study

Ciccarelli, S.K., White, J.N., & Mishra, G. (2018). Psychology. 5th Edition; Indian Adaptation. Pearson India Education Services Pvt. Ltd.

Additional Books for Reference

- 1) Baron, R. A., & Kalsher, M. J. (2008). Psychology: From Science to Practice. (2nd ed.). Pearson Education inc., Allyn and Bacon
- 2) Ciccarelli, S. K. & Meyer, G. E. (2008). Psychology. (Indian sub-continent adaptation). New Delhi: Dorling Kindersley (India) pvt ltd.
- 3) Ciccarelli, S. K., & White, J. N. (2017). Psychology. 4th edi. New Jersey: Pearson education
- 4) Feist, G.J., & Rosenberg, E.L. (2010). Psychology: Making connections. New York: McGraw Hill publications

- 5) Feldman, R.S. (2013). Psychology and your life. 2nd edi. New York: McGraw Hill publications
- 6) Feldman, R.S. (2013). Understanding Psychology. 11th edi. New York: McGraw Hill publications
- 7) King, L.A. (2013). Experience Psychology. 2nd edi. New York: McGraw Hill publications
- 8) Lahey, B. B. (2012). Psychology: An Introduction. 11th edi. New York: McGraw-Hill Publications
- 9) Myers, D. G. (2013). Psychology. 10th edition; International edition. New York: Worth Palgrave Macmillan, Indian reprint 2013
- 10) Schachter, D. L., Gilbert, D. T., & Wegner, D. M. (2011). Psychology. New York: Worth Publishers.
- 11) Wade, C. & Tavris, C. (2006). Psychology. (8th ed.). Pearson Education inc., Indian reprint by Dorling Kindersley, New Delhi

Modified Pattern of Question Paper for Semester End Assessment implemented from 2018-2019 For Psychology courses at F.Y.B.A.

Duration of examination = **3 hours**

Total Marks = **100 (per semester)**

All 5 questions carry **20** marks and are compulsory.
There will be internal choice in each Question.

Q1. Attempt any two questions (unit 1) 20marks

- A
- B
- C

Q2. Attempt any two questions (unit 2) 20marks

- A
- B
- C

Q3. Attempt any two questions (unit 3) 20marks

- A
- B
- C

Q4. Attempt any two questions (unit 4) 20marks

- A
- B
- C

Q5. Attempt any two questions (unit 1, 2, 3, 4 one from each unit) 20 marks

- A
- B
- C
- D

Semester II

Use of simple calculator shall be permitted. (instruction to be included in the question paper).

Question 4 and Question 5 (D) will be based on unit 4 Statistics in Psychology. One Theory question from the contents of the chapter carrying 10 marks and 03 questions for calculations.

Frequency distribution table to be made with 30-35 scores given and a theory question

Calculation of the Mean Median and the Mode with the help of 10 -12 scores given and a theory question.

Calculation of the Range, Standard deviation and Z Score with the help of 10 -12 scores given.