



Sree Narayana Mangalam College Maliankara

(Affiliated to Mahatma Gandhi University, Kottayam)

BRIDGE COURSE

SYLLABUS



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BRIDGE COURSE SYLLABUS

DEPARTMENT OF ENGLISH

B.A/B.Sc/B.Com Common Course

Module 1

Basic English

English Alphabets-Sounds-Words-Phrases-Sentences-Parts of Speech-Articles-Prepositions

Language Skills

Speaking-Language Games-Vocabulary-Writing-Letter Writing

Module 2

Appreciation of Literature

Figures of Speech

B.A English Course

Module 1

Basic English

English Alphabets-Sounds-Words-Phrases-Sentences-Parts of Speech-Articles-Prepositions

Module 2

Multiple Dimensions and Approaches to Literature.

What is Literature? - Different Genres of Literature - Periods of Literature - Theoretical Schools of Literature.

Module 3

Language Skills

Four Fold Language Skills (LSRW)-Listening-Speaking-Reading-Writing

DEPARTMENT OF BBA

Module 1

Meaning and Definition of management - Objectives of management – Nature and Characteristics of management – Importance of management – Scope of management – Managerial Functions – Management Process – Features of management Process.

Module 2

Meaning and Definition of accounting – Characteristics – Functions of accounting – Accounting process – Book keeping – Objectives of accounting – Advantages and Limitations – Users of accounting information – System of accounting – Basis of accounting.

DEPARTMENT OF MALAYALAM

1.മൊഡ്യൂൾ

സരളവ്യാകരണം

സന്ധി - സമാസം - വിഭക്തി- നാമം -ക്രിയ - ഭേദകം

2. മൊഡ്യൂൾ

കവിത

പ്രാചീന കവിത്രയം - ആധുനിക കവിത്രയം - സമകാലീന കവിത

3. മൊഡ്യൂൾ

ഗദ്യം

ലേഖനം- ഉപന്യാസം- നോവൽ - ചെറുകഥ

4. മൊഡ്യൂൾ

ഫോക്ലോർ

പഴഞ്ചൊൽ - കടങ്കഥകൾ - കുറും കവിതകൾ

DEPARTMENT OF COMMERCE

MODULE 1 - INTRODUCTION TO BUSINESS STUDIES

Meaning and nature of business - Types of Economic activity - Business, Profession and Employment - Industry and Commerce - Forms business organizations - Sole proprietorship, HUF, Partnership, Co-operative society and Joint Stock Company.

MODULE 2 - FOUNDATIONS OF ACCOUNTING

Accounting definition-features -basic Accounting terms - Various Accounting concepts-Journal-Meaning-Rule of journal entries-types of Accounts-preparation of journals with examples - Ledger-Meaning-Format of ledger Accounts-posting of entries-balancing of ledgers - Trial Balance-meaning-objectives-functions-Format-points to remember while preparing TB-Preparation of TB.

DEPARTMENT OF ECONOMICS

MODULE I

Definitions of Economics, Central problems of the economy, different social systems, positive and normative science, Basic concepts in economics, difference between growth and Development, different sectors of the economy, economic planning in India, the problems of unemployment, poverty and Inequality, budget,

MODULE II

Microeconomics, Demand, Law of demand, Supply, Law of Supply, Elasticity of demand, Elasticity of supply, PPC, Utility, Marginal utility , division of labour, Production function, opportunity cost, fixed cost, variable cost, different types of markets an overview.

Module III

Macroeconomics, National income, Methods to calculate National income, GNP, GDP ,PCI, consumption, saving and investment, classical dichotomy, invisible hand, Keynesian revolution, Multiplier, Inflation, Business cycle, Fiscal and Monetary Policy.

DEPARTMENT OF STATISTICS

Module 1: Classification and tabulation of data

Classification of data, objectives of classification, types of classification, tabulation of data, objectives of tabulation, parts of a table, types of tables, Frequency tables (Frequency distributions).

Module 2: Graphical representation of data

Histogram, frequency polygon, frequency curve

Module 3: Permutations and Combinations

Permutations, Permutations with restrictions, Permutations with repetitions allowed, Permutations with something alike, Circular permutations, Combinations.

DEPARTMENT OF ZOOLOGY

Chapter1: Introduction to zoology

Principles Scientific study, General properties of living organism, Branches of Zoology

Chapter-2: Systematic & Taxonomy

Systematics, Taxonomy, Zoological nomenclature, International Code of Zoological Nomenclature (ICZN). Five kingdom classification

Chapter-3: Diversity of Animal Kingdom

Salient features and classification of non-chordates and chordates (three to five salient features)

Chapter-4: Animal Form and functions

Concept of Cell, Physiological basis of animal body

DEPARTMENT OF CHEMISTRY

1. Basic concept of Chemistry

Matter, States of matter, Classification, properties, particles- atoms & molecules, atomic mass and molecular mass, Atomic number, Mass number, Orbit and orbitals, Electronic configuration, Stability.

2. Periodic Table

Classification of elements, Periodic properties

3. Chemical Bonding

Octet rule, Lewis structure, Bond formation, sigma and pi bonds, Types of Bonds- Ionic bond, covalent, coordination bonds.

DEPARTMENT OF PHYSICS

Module 1 Mechanics

Distance, Displacement, Velocity, Acceleration, Force, Momentum, Conservation of Momentum, Newton's Laws, Work energy and Power, Conservation of Energy

Module 2 Electronics

Classification of materials based on band gap, Semiconductors- Si and Ge, Doping, Color code of resistors, series and parallel connections, capacitors

Module 3 Mechanical Properties of Solids and Fluids

Elastic behaviors of solids, Hook's law, Viscosity, Pascal's law, Bernoulli's Principle, Surface tension, Friction

Module 4 Optics

Define Light - particle and wave nature, Characteristics of light - reflection, refraction, Interference, Lens concave ,convex ,microscope , Telescope

Module 5 Electricity and Magnetism

Fundamental Laws - Ohm's law, Kirchoff's law, Coulomb's law, BiotSavart law, Ampere's law, Electric and Magnetic field lines

Module 6 Modern Physics

Atom Model - Thomson's, Rutherford and Bohr model, Nucleus Basic ideas- Charge, Density, Electromagnetic Spectrum

DEPARTMENT OF MATHEMATICS

Module 1: Sets, Relations and Functions

Types of sets, operations on sets, types of relations and functions, composition of functions, invertible functions, binary operations and its properties

Module 2: Trigonometry

Angle, arc, radius and angle relation, trigonometric functions, trigonometric ratios, compound angles and reduction formulae, important trigonometric formulae, inverse trigonometric functions, principal value, properties of inverse trigonometric functions.

Module 3: Differential and Integral calculus

Limit-Standard results, left and right hand limits, existence of a limit of a function

Continuity- fundamental theorems, continuous and discontinuous functions

Derivatives- Definition, geometrical meaning, standard results

Integration- indefinite and definite integrals, standard results

Module 4: Differential Equations

Formation, methods of finding solution, homogeneous and linear differential equations

DEPARTMENT OF BOTANY

Module 1

Importance of Plants: need of plants on the biosphere, different fields in plant sciences

Module 2

Organizational hierarchy of life, History of plant sciences, ancient classification systems, salient features of all major plant groups

Module 3

Modern classification of plants, Merits and demerits of each classification