



# DON BOSCO COLLEGE

Accredited B++ Grade by NAAC with CGPA 2.92

Athiyaman Bypass Road, Sogathur Post, Dharmapuri 636 809

Phone : 94436 04446, 94436 04447

E-mail : dbc155@live.in Website : www.dbcdharmapuri.edu.in



## DEPARTMENT OF BUSINESS ADMINISTRATION

### BRIDGE COURSE SYLLABUS

#### GENERAL MANAGEMENT (I-BBA)

##### UNIT-I

Business – Meaning- definition- Importance- sole proprietor- partnership- joint stock Company- co-operative society- management leaders- human resource management- financial management- marketing management.

##### UNIT –II

Basic accounting concepts-meaning of accounting-trial balance-bills of exchange –depreciation – trading account-profit and loss account- balance sheet.

##### Unit-III

Meaning and scope of business economics- demand analysis-business cycle-marketing-4 P's of marketing-service-7 P's of service

##### Unit IV

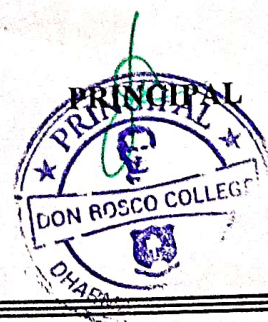
Communication – meaning- objectives-types- business environment- internal and external.

##### Unit V

Entrepreneurship-meaning-types- qualities of an entrepreneur- NBFC's- SBI-IFCI-IDBI-ICICI-SEBI-SFC-LIC. Business law.

*N. Raju*  
CLASS INCHARGE

*[Signature]*  
HOD MENTOR





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## PG AND RESEARCH DEPARTMENT OF COMMERCE

### SUBJECT BRIDGE COURSE

#### SYLLABUS

##### Unit – I

Accounting – Meaning & Definition - Objectives – Types of Account.

##### Unit – II

Accounting concept & Conventions – Journal, Ledger Accounts

##### Unit –III

Management – Meaning – Definition – Functions – Levels of management.

##### Unit – IV

Business Communication – Meaning – Definition – Types of communication –  
Barriers to business communication

##### .Unit – V

Marketing – Meaning – Definition – Functions of Marketing – Types of Marketing.

*Thomy*



## SYLLABUS :

### UNIT 1

**ANATOMY OF COMPUTER** - Introduction and history of computer – Input & output device - Computer and its parts and functions - Computer memory - Mother board and parts – Hardware / Software.

### UNIT 2

**Programming Logic** - Variable - Constant - Datatype - Keywords - Algorithm - flowchart - Control statement - Conditional statements - Overview of looping statement.

**Programming language** - C program - Structure of C - Real time application - C++ program - Structure of c++ - Application -Java programming - Structure - Application - VB – structure.

### UNIT 3

**Basic Networking Concepts** – Introduction – Protocols - Protocol Layers - Network Interconnection/Internet.

### UNIT 4

**Operating system:** Introduction of OS - Software - Types of Software –Hardware – Kernal – Process – Threads – Multithread – Deadlock - Memory- Files – Android – Lunix – Shell – Sheduling – LIFO – FIFO

**Internet:-** Internet –Intranet – Modem – wifi – Bridges - Router - Gateway -TCP- UDP- IP- Firewall -Node-Hub

### UNIT 5

**HTML & CSS :** HTML Tags & Attributes - Input Tag - Colors - Form Design. Program: Design a Login Form Using HTML & CSS

**JavaScript :** Variable, Constant, Conditional & Looping Statements - Arrays – Functions. Program: Write a program to login form validation

**PHP :** Variable - Conditional & Iteration Statements - Cookies – Session. Program: Navigate a site with valid customer using PHP

**Dot Net :** Introduction Websites - Dot Net Applications.



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## PG DEPARTMENT OF CHEMISTRY BRIDGE COURSE – 2023-2024 FIRST YEAR - B.Sc CHEMISTRY SYLLABUS

### UNIT-I

#### INORGANIC CHEMISTRY-I

Meaning of Inorganic chemistry – Various classification of periodic table – atom, molecule and compounds – Periodic properties – Over all view of s – block, p – block, d – block and f – block elements.

Atomic orbital – types- shapes of various orbitals- overlapping –bonds –types formation of various bonds

### UNIT-II

#### INORGANIC CHEMISTRY-II

Acid – base concept (Arrhenius, Lewis, Lowry - Bronsted etc.,) – pH  
Quantum numbers – orbit and orbitals – Hund's rule – Aufbau principle – Pauli's exclusion principle.

Elementary idea of hydrogen bonding and simple examples

### UNIT-III

#### ORGANIC CHEMISTRY

Various functional groups in organic chemistry – alkyl, aryl, aldehyde, ketones, carboxylic acids, amines, amide, nitro etc.

Organic compounds – alkanes – alkenes – alkynes - cycloalanes

Meaning of Organic chemistry – Nomenclature of organic compounds (IUPAC) system - functional groups – Huckel's Rule – aromatic and aliphatic compounds – Heterocyclic compounds – organic basic reactions.

### UNIT-IV

#### PHYSICAL CHEMISTRY

Meaning of Physical chemistry –States of matter - Fundamental particles – Thermodynamic terms – Chemical equilibrium – Basic idea of surface chemistry and chemical kinetics.

### UNIT-V

#### HANDLING OF CHEMICALS AND APPARATUS - FIRST AID

Handling of Chemicals - Apparatus and Instruments – Nature of chemicals – Procedures to follow in lab hours – First Aid Kit – Procedure for first aid.



# SYLLABUS FOR BRIDGE COURSE

(For B.sc., Computer Science, B.C.A)

## OBJECTIVES:

- To bridge the gap between the knowledge that a student has at one level and the knowledge that is required at the next level.
- To help students better understand the expectations of their new academic level and make a smooth transition into their new programme.
- To build confidence and develop new skills that will be useful in their future studies.

## SYLLABUS:

### 1. MATRICES:

- Determinant of a matrix's properties: singular and non-singular matrices
- Ad joint and inverse of a matrix: properties
- Row Echelon Form

### 2. RATIONAL EQUATION AND ERRORS NUMERICAL METHODS:

- Classification of rational equations
- Different types of errors

### 3. FINITE DIFFERENCE OPERATOR:

- Forward Operator
- Shift Operator
- Backward Operator

### 4. DIFFERENCE TABLE:

- Forward difference table.
- Backward difference table
- Central difference table





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## DEPARTMENT OF PHYSICS

### SYLLABUS FOR BRIDGE COURSE – 2023-2024

#### UNIT I:

INVENTION – INVERTORS OF THE SCIENTIFIC ACCESSORIES

#### UNIT II:

MEASUREMENTS AND ITS UNITS

#### UNIT III:

LOGIC GATES AND ITS APPLICATIONS

#### UNIT IV:

SOUND AND ITS APPLICATIONS

#### UNIT V:

ATOMIC PHYSICS



HOD

MENTOR





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## PG AND RESEARCH DEPARTMENT OF ENGLISH

### SYLLABUS FOR PRE AND POST TEST

#### UNIT I : INTRODUCTION TO LITERATURE

JOHN KEATS -ODE TO NIGHTINGALE

FRANCIS BACON -OF STUDIES

JANE AUSTEN -PRIDE AND PREJUDICE

#### UNIT II: INDIAN WRITING IN ENGLISH

RABINDRANATH TAGORE-PAPER GOAT

TORU DUTT-THE LOTUS

KA ABBA-SPARROWS

#### UNIT III SOCIAL HISTORY OF ENGLAND:

RENAISSANCE

REFORMATION

COFFEE HOUSE\

#### UNIT IV: GENERAL ENGLISH

SPARROW

THE PATCH OF THE LAND

GOLDEN FLAME

