SEMESTER - II

COMMUNICATION SKILLS AND SOFT SKILLS-1(CSS 01)

Duration: A minimum of 50 Hours (including practice)

Examination: 45-minute Mid-Exam at the end of 07 weeks for 25 marks and another at the end 14 weeks. The average of the two mid exams be taken for 25 marks as Internal

Two-and-a-half-hour End-Exam for a maximum of 75 marks

COURSE CONTENT

Unit I: Pronunciation-1 (10 Hours)

1. The Sounds of English: Vowels
2. The Sounds of English: Consonants
3. Common Pronunciation Problems for Indian Learners of English

Unit II: Pronunciation-2 (06 Hours)

1. The Syllable
2. Word Accent
3. Accent and Rhythm in Connected Speech
4. Intonation

Unit III: Grammar (14 Hours)

A very important component of communicative competence is grammatical competence, which most of our students lack in spite of having been taught grammar for at least ten years. Since English is a predicate-oriented language, the following items are discussed in detail:

1. The Verb Phrase
    i. Stative Verbs and Dynamic Verbs
    ii. Transitive Verbs and Intransitive Verbs
    iii. Operators

2. Meanings of Modals
3. Tense (Present and Past) and Aspect
4. The Several Possibilities for Denoting Future Time
5. The Seven Basic Sentence Types
6. Subject-Verb Concord

Unit IV: Listening Skills (08)

1. The Importance of Listening
2. Types of Listening
3. Barriers/Obstacles to Effective Listening
4. Strategies for Effective Listening

Unit V: Reading Skills (12 Hours)

1. Comprehension
2. Skimming
3. Scanning
4. Intensive Reading
5. Extensive Reading

Sources

Commissionerate of Collegiate Education, Government of Andhra Pradesh (2015 *JKC -Communication Skills and Soft Skills*: *Student's Book*

Sethi, J., and P.V. Dhamija (1999) *A Course in Phonetics and Spoken English* New Delhi: Prentice-Hall of India

Daniel Jones (2011) *English Pronouncing Dictionary* (18th Edition) Ed. Peter Roach, Jane Setter, and John Esling Quirk, Randolph and Sydney Greenbaum (1973) *A University Grammar of English*. Harlow: Longman. Chapters 2, 3, and 7

White, Goodith (2010) *Listening (Resource Book for Teachers)*. Oxford University Press

Nageshwar Rao and Rajendra P. Das (2009) *Communication Skills*. Mumbai: Himalaya Publishing House

Burton, S.H. (1983) *Mastering English Language*. The Macmillan Press Limited

Chapter 3: Comprehension

Grellet, Francoise (2007) *Developing Reading Skills*. Cambridge University Press

Roberts, Rachael, Joanne Gakonga, and Andrew Preshous (2004) *IELTS Foundation: Student's Book*. Oxford: Macmillan Education

Roberts, Rachael, Joanne Gakonga, and Andrew Preshous (2004) *IELTS Foundation: Study Skills*. Oxford: Macmillan Education

SKILL ENHANCEMENT COURSE
INFORMATION & COMMUNICATION TECHNOLOGY-I
Paper Title : Computer Fundamentals and Office Tools
Common for BA/BCom/BSc/BBA/BCA Programmes

II Semester

Unit-I : Basics of Computers **10 Hours**

Definition of a Computer - Characteristics and Applications of Computers – Block Diagram of a Digital Computer – Classification of Computers based on size and working – Central Processing Unit – Input, Output and I/O Devices – Primary, Auxiliary and Cache Memory – Memory Devices – Software, Hardware, Firmware and People ware – Definition and Types of Operating System – Functions of an Operating System – MS-DOS – MS-Windows – Desktop, Computer, Documents, Pictures, Music, Videos, Recycle Bin, Task Bar – Control Pane

Unit-II : MS-Word **10 Hours**

Features of MS-Word – MS-Word Window Components – Creating, Editing, Formatting and Printing of Documents – Headers and Footers – Insert/Draw Tables, Table Auto format – Page Borders and Shading – Inserting Symbols, Shapes, Word Art, Page Numbers, Equations – Spelling and Grammar – Thesaurus – Mail Merge

Unit-III : MS-PowerPoint **10 Hours**

Features of PowerPoint – Creating a Blank Presentation - Creating a Presentation using a Template - Inserting and Deleting Slides in a Presentation – Adding Clip Art/Pictures - Inserting Other Objects, Audio, Video - Resizing and Scaling of an Object – Slide Transition – Custom Animation

Unit-IV : MS-Excel **10 Hours**

Overview of Excel features – Creating a new worksheet, Selecting cells, Entering and editing Text, Numbers, Formulae, Referencing cells – Inserting Rows/Columns – Changing column widths and row heights, auto format, changing font sizes, colors, shading and attributes – Data Sorting and Filters – Functions – Functions requiring Add-ins, Functions by category – Creating different types of Charts – Instant charts with the Chart wizard – Printing, Deleting charts

Unit-V : MS-Access **10 Hours**

Overview of MS-Access – Creating a Simple Database and Tables – The Access Table Wizard – Creating Database Tables without the wizard – Field Names, Data Types and Properties – Entering and Editing Data: Adding Records, Finding, Sorting and Displaying Data: Queries and Dynasets – Creating and using select Queries – Relational Databases: Types of Relationships, Creating and Deleting Relationships – Printing Reports: Simple table, Form and Database printing

Reference Books :

1. Fundamentals of Computers by V.Raja Raman, Publishers : PHI
2. Fundamentals of Computers by Reema Thareja, Publishers : Oxford University Press, India
3. Microsoft Office 2010 Bible by John Walkenbach, Herb Tyson, Michael R.Groh and Faithe Wempen, Publishers : Wiley

SRI RAMAKRISHNA DEGREE (AUTONOMOUS) DEGREE COLLEGE , NANDYAL.

I B.A/ B.Com/ B.Sc Courses

Ist Year 2nd Semester Syllabus (2018-2019 Regulation)

Unit-I : PROSE

1. On Shaking Hands- A.G.Gardiner
2. On Forgetting -Robert Lynd

Unit-II :POETRY

1. Ode to Autumn –John Keats
2. I am not that Woman-Kishwar Naheed

Unit III : SHORT STORY

1. The Boy who broke the Bank- Ruskin Bond
2. Half a Rupee Worth- R.K.Narayan

Unit-IV : ONE-ACT PLAY

1. The Never Never Nest- Cedric Mount

Unit-V: Language Activity

1. Classroom and Laboratory Activities

a) Transformation of Sentences (Voice, Speech and Degrees)
b) Dialogue Practice
c) Listening Comprehension

2. Classroom Activities

a) Guided Composition
b) Dialogue Writing
c) Reading Comprehension

Andhra Pradesh State Council of Higher Education

General Telugu Syllabus for B.A/ B.Com/B.Sc., Courses Under CBCS

W.e.f. 2015-16 (Revised in April - 2016)

SEMESTER - II

I. ప్రాచీన కవిత్వం:

(అ) ధూర్జటి – సాయుజ్యము

శ్రీకాళహస్తి మహాత్మ్యము – ద్వితీయాశ్వాసం (109-139)

త్రేతాంబుననొక్క .... నుండి పన్నగంబు .... వరకు

(ఆ) చేమకూర వేంకటకవి– సుభద్రా పరిణయం

విజయ విలాసం – 3వ ఆశ్వాసం – (93-139)

"తనయుని పెండ్లికేగ వలె ధాత్రికి"నుండి

"తేరెక్కి దంపతులరుగ" వరకు.

II ఆధునిక కవిత్వం

(అ) జాషువా – పిరదౌసి లేఖ

("ఆ సుల్తాను" ... నుండి "అనుచు లిఖించె" వరకు)

(ఆ) గెడ్డాపు సత్యం – 'చెట్టు' ఖండిక 1 నుండి 25 పద్యాలు

("శ్రీనిధానం" నుండి "మహిమ నీది" పద్యం వరకు)

(కవితా వైజయంతి పద్య సంకలనం నుండి)

III కథానికలు

(అ) కేతు విశ్వనాథ రెడ్డి – నమ్ముకున్న నేల

(ఆ) ముప్పాళ్ళ రంగనాయకమ్మ– అమ్మకు ఆదివారం లేదా?

IV నవల

డా॥ వి.ఆర్. రాసాని – బతుకాట

విద్యార్థి కృత్యాలు:

1. సుభద్ర వివాహ ఆచారాలు – ఈనాటి వివాహ ఆచారాలు తులనాత్మకంగా పరిశీలించండి.
2. మీకు నచ్చిన ఒక చెట్టుకు సంబంధించిన పూర్తి సమాచారాన్ని సేకరించండి.
3. మీ ఇంటి నేపథ్యంలో అమ్మలకు ఆదివారం ఉందో లేదో ఒక సంఘటన ఆధారంగా కథ రాయండి.
4. నమ్ముకున్న నేల కథలోని రైతుల గాథలను చిత్రాలతో దినపత్రికల ఆధారంగా సేకరించండి.

SRI RAMAKRISHNA (AUTONOMOUS) DEGREE COLLEGE, NANDYAL.

DEPARTMENT OF SANSKRIT.

FIRST YEAR SECOND SEMESTER

TIME:3 hrs **SYLLABUS:.** **MARKS:60**

प्रथमविभागः (पद्यकाव्यम्)

१.वसिष्ठाश्रमगमनम्

द्वितीयविभागः (चम्पूः,नीतिकाव्यम्)

२.गङ्गावतरणम्

३.उपदेशामृतम्

तृतियविभागः (गद्यम् ,नवला)

४.पुष्पोभ्दवचरित्रम्

५.कृषिफलम्

चतुर्थविभागः (व्याकरणम्)

६ पत्रलेखनम्(विरामाभ्यर्थन,उद्योगाभ्यर्थनविषये,पुस्तकप्रेषणविषये पत्राः).

७.धातवः (युध्,इष,लिख,कृ,क्रीञ्,कथ,रमु,वदि)

पञ्चमविभागः (व्याकरणम्)

८.सन्धयः (हल्सन्धिः,विसर्गसन्धिः)

९.समासाः (अव्ययीभावः, बहुव्रीहिः)

531-B

B.Sc I YEAR II SEMESTER

Paper-II : PROGRAMMING IN C

UNIT I

Introduction to Algorithms and Programming Languages: Algorithm – Key features of Algorithms – Some more Algorithms – Flow Charts – Pseudo code – Programming Languages – Generation of Programming Languages – Structured Programming Language- Design and Implementation of Correct, Efficient and Maintainable Programs.

Introduction to C: Introduction – Structure of C Program – Writing the first C Program – File used in C Program – Compiling and Executing C Programs – Using Comments – Keywords – Identifiers – Basic Data Types in C – Variables – Constants – I/O Statements in C- Operators in C- Programming Examples – Type Conversion and Type Casting

UNIT II

Decision Control and Looping Statements: Introduction to Decision Control Statements – Conditional Branching Statements – Iterative Statements – Nested Loops – Break and Continue Statement – Goto Statement

Functions: Introduction – using functions – Function declaration/ prototype – Function definition – function call – return statement – Passing parameters – Scope of variables – Storage Classes – Recursive functions – Type of recursion – Towers of Hanoi – Recursion vs Iteration

UNIT III

Arrays: Introduction – Declaration of Arrays – Accessing elements of the Array – Storing Values in Array – Calculating the length of the Array – Operations on Array – one dimensional array for inter-function communication – Two dimensional Arrays –Operations on Two Dimensional Arrays - Two Dimensional Arrays for inter-function communication – Multidimensional Arrays – Sparse Matrices

Strings: Introduction –Suppressive Input – String Taxonomy – String Operations – Miscellaneous String and Character functions

UNIT IV

Pointers: Understanding Computer Memory – Introduction to Pointers – declaring Pointer Variables – Pointer Expressions and Pointer Arithmetic – Null Pointers – Generic Pointers - Passing Arguments to Functions using Pointer – Pointer and Arrays – Passing Array to Function – Difference between Array Name and Pointer – Pointers and Strings – Array of pointers – Pointer and 2D Arrays – Pointer and 3D Arrays – Function Pointers – Array 0f Function Pointer – Pointers to Pointers – Memory Allocation in C Programs – Memory Usage – Dynamic Memory Allocation – Drawbacks of Pointers

Structure, Union, and Enumerated Data Types: Introduction – Nested Structures – Arrays of Structures – Structures and Functions – Self referential Structures – Union – Arrays of Unions Variables – Unions inside Structures – Enumerated Data Types

UNIT V

Files: Introduction to Files – Using Files in C – Reading Data from Files – Writing Data from Files – Detecting the End-of-file – Error Handling during File Operations – Accepting Command Line Arguments – Functions for Selecting a Record Randomly - Remove() – Renaming a File – Creating a Temporary File

REFERENCE BOOKS

1. Introduction to C programming by REEMA THAREJA from OXFORD UNIVERSITY PRESS
2. E Balagurusamy: ―COMPUTING FUNDAMENTALS & C PROGRAMMING – Tata McGraw-Hill, Second Reprint 2008, ISBN 978-0-07-066909-3.
3. Ashok N Kamthane: Programming with ANSI and Turbo C, Pearson Edition Publ, 2002.
4. Henry Mullish & Huubert L.Cooper: The Spirit of C An Introduction to modern Programming, Jaico Pub. House,1996.

Student Activity:

1. **Write a program for preparing the attendance particulars of students of your college at the end of semester according to following guidelines**
   a. **Above 75 % promoted**
   b. **Above 65% condoned**
   c. **Below 65% detained**
2. **Write a program for creating timetable or your class taking work load of faculty into consideration.**

SRI RAMAKRISHNA (AUTONOMOUS) DEGREE COLLEGE: NANDYAL

I BSc : 2nd SEMESTER STATISTICS

TITLE OF THE PAPER: Mathematical Expectation and probability distributions

UNIT I

Mathematical expectation: Mathematical expectation of a random variable and function of a random variable. Moments and covariance using mathematical expectation with examples. Addition and multiplication theorems on expectation. Definitions of M.G.F, C.G.F, P.G.F, C.F its properties. Chebyshev and Cauchy – Schwartz inequalities.

UNIT II

Discrete distributions: Binomial and Poisson distributions, their definitions, 1^{st} to 4^{th} central moments, M.G.F, C.F, C.G.F, P.G.F, mean, variance, additive property if exists. Poisson approximation to Binomial distribution.

UNIT III

Negative Binomial, geometric, hyper geometric distributions – Definitions, means, variances, M.G.F, C.F, C.G.F, P.G.F, reproductive property if exists. Binomial approximation to hyper Geometric distribution, Poisson approximation to negative binomial distribution.

UNIT IV

Continuous distributions: Rectangular, Exponential, Gamma, Beta Distributions of two kinds. Other Properties such as mean, variance, M.G.F, C.G.F, C.F, reproductive Property of exist.

UNIT V

Normal Distribution: Definition, Importance, Properties, M.G.F, additive Properties, Interrelation between Normal and Binomial, Normal & Poisson distribution. Cauchy Distribution definition and reproductive property.

SRI RAMAKRISHNA DEGREE(AUTONOMOUS) COLLEGE: NANDYAL

B.Sc. FIRST YEAR MATHEMATICS SYLLABUS

SEMESTER – II, PAPER - 2

HIGHER ORDER DIFFERENTIAL EQUATIONS AND SOLIDGEOMETRY-2

UNIT – 1 (12 Hours), Higher order linear differential equations-I :

Solution of homogeneous linear differential equations of order n with constant coefficients; Solution of the non-homogeneous linear differential equations with constant coefficients by means of polynomial operators.

General Solution of f(D)y=0

General Solution of f(D)y=Q when Q is a function of x.

$\frac{1}{f(D)}$ is Expressed as partial fractions.

P.I. of f(D)y = Q when Q= be^{ax}

P.I. of f(D)y = Q when Q is b sin ax or b cos ax.

Solution of the non-homogeneous linear differential equations with constant coefficients.

P.I. of f(D)y = Q when Q= bx^k

P.I. of f(D)y = Q when Q= $e^{ax}V$

P.I. of f(D)y = Q when Q= xV

P.I. of f(D)y = Q when Q= x^mV

UNIT –II (12 Hours), Higher order linear differential equations-II:

Method of variation of parameters; Linear differential Equations with non-constant coefficients; The Cauchy-Euler Equation.

UNIT – III (12 hrs) : Sphere :

Definition and equation of the sphere; Equation of the sphere through four given points; Plane sections of a sphere; Intersection of two spheres; Equation of a circle; Sphere through a given circle; Intersection of a sphere and a line; Power of a point; Tangent plane; Plane of contact; Polar plane; Pole of a Plane; Conjugate points; Conjugate planes;

UNIT – IV (12 hrs) : Sphere &Cones :

Angle of intersection of two spheres; Conditions for two spheres to be orthogonal; Radical plane; Coaxial system of spheres; Simplified from of the equation of two spheres.

Definitions of a cone; vertex; guiding curve; generators; Equation of the cone with a given vertex and guiding curve; Enveloping cone of a sphere; Equations of cones with vertex at origin are homogenous; Condition that the general equation of the second degree should represent a cone; Condition that a cone may have three mutually perpendicular generators;

UNIT – V (12 hrs) Cones& Cylinders :

Intersection of a line and a quadric cone; Tangent lines and tangent plane at a point; Condition that a plane may touch a cone; Reciprocal cones; Intersection of two cones with a common vertex; Right circular cone; Equation of the right circular cone

with a given vertex; axis and semi-vertical angle.

Definition of a cylinder; Equation to the cylinder whose generators intersect a given conic and are parallel to a given line; Enveloping cylinder of a sphere; The right circular cylinder; Equation of the right circular cylinder with a given axis and radius.

Reference Books ***:***

1. Analytical Solid Geometry by Shanti Narayan and P.K. Mittal, Published by S. Chand & Company Ltd. 7th Edition.

2. A text book of Mathematics for BA/B.ScVol 1, by V Krishna Murthy & Others, Published by S. Chand & Company, New Delhi.

3A text book of mathematics for BA/BSc Vol 1 by N. Krishna Murthy & others, published by S. Chand & Company, New Delhi.

4. Ordinary and Partial Differential Equations Raisinghania, published by S. Chand & Company, New Delhi.

5. Differential Equations with applications and programs – S. BalachandraRao& HR Anuradha- universities press.

Suggested Activities:

Seminar/ Quiz/ Assignments/ Project on Application of Differential Equations in Real life

Page Break