SEMESTER - 3

COMMUNICATION SKILLS AND SOFT SKILLS-2 (CSS 02)

Duration: A minimum of 50 Hours (including practice)

Examination: As mentioned above

COURSE CONTENT

Unit I: Vocabulary Building (08 Hours)

1a. Prefixes and Suffixes
1b. Conversion
1c. Compounding
2. One-Word Substitutes
3. Words Often Confused
4. Synonyms and Antonyms
5. Idioms and Phrases
6. Using the Dictionary (Advanced Learner's Dictionary)

Unit II: Speaking Skills (12 Hours)

1. Conversation Skills
2. Presentation Skills
3. Interview Skills
4. Public Speaking

Unit III: Writing Skills-1 (08 Hours)

1. Spelling
2. Punctuation
3. Information Transfer
    - Tables
    - Bar Charts
    - Line Graphs
    - Pie Charts
    - Flow Charts
    - Tree Diagram
    - Maps

4. Note-Making
    - Note-making methods
    - Finding key points
    - Finding relevant points
    - Effective note-making

Unit IV: Writing Skills-2 (10 Hours)

1. Instructions
2. Letter Writing (Formal and Informal)
3. E-correspondence
4. Resume and CV

Unit V: Soft Skills (12 Hours)

1. Positive Attitude
2. Body Language
3. Team Dynamics and Group Discussion
4. SWOT Analysis and Problem Solving
5. Netiquette
6. Emotional Intelligence

Sources

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

Lewis, Norman (1978) *Word Power Made Easy*. New York: Pocket Books

Quirk, Randolph and Sydney Greenbaum (1973) *A University Grammar of English*. Harlow: Longman:

Appendix I

Fergusson, Rosalind, Ed. (1992) *Dictionary of English Synonyms and Antonyms*. Penguin

Cambridge International Dictionary of Phrasal Verbs

Cambridge International Dictionary of Idioms

Wyatt, Rawdon (2008) *Check Your Vocabulary for IELTS*. Oxford: Macmillan Education

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

Seely, John (1998*) Oxford Guide to Effective Writing and Speaking*. OUP

Baker, Alan (2007) *Improve Your Communication Skills*. New Delhi: Kogan Page

Mandal S.K. *Effective Communication and Public Speaking*. Mumbai: Jaico Publishing House

Bailey, S. (2011) *Academic Writing: A Handbook for International Students*. London: Routledge: 1.5 "Finding key points and note-making"

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

Hedge, Tricia (1988) *Writing*, Resource Books for Teachers Series. OUP

Withrow, Jean (1987) *Effective Writing: Writing Skills for Intermediate Students of American English*. CUP

Booher, Dianna (2007) *E-Writing*. Macmillan India Limited

Ramesh Gopalaswamy, and Mahadevan Ramesh (2010) *The ACE of Soft Skills*. Pearson

Pease, Allan, and Barbara Pease (2005) *The Definitive Book of Body Language*. Bhopal: Manjul Publishing House

SKILL ENHANCEMENT COURSE
INFORMATION & COMMUNICATION TECHNOLOGY-II
Paper Title : Internet Fundamentals and Web Tools
Common for BA/BCom/BSc/BBA/BCA Programmes
III Semester

Unit-I : Fundamentals of Internet and its Applications **10 Hours**

Networking Concepts, Data Communication – Types of Networking, Internet and its Services, Internet Addressing – Internet Applications – Computer Viruses and its types – Browser – Types of Browsers – Using Internet Explorer, Standard Internet Explorer Buttons, Entering a Web Site Address, Searching the Internet – Introduction to Social Networking: twitter, tumblr, Linkedin, facebook, flickr, skype, yelp, vimeo, yahoo!, google+, youtube, WhatsApp, etc.

Unit-II : E-mail & WWW **10 Hours**

Definition of E-mail - Advantages and Disadvantages – UserIds, Passwords, Email Addresses, Domain Names, Mailers, Message Components, Message Composition, Mail Management, Email Inner Workings. WWW- Web Applications, Web Terminologies, Web Browsers, URL – Components of URL, Searching WWW – Search Engines and Examples

Unit-III : Basic HTML **10 Hours**

Basic HTML – Web Terminology – Structure of a HTML Document – HTML, Head and Body tags – Semantic and Syntactic Tags – HR, Heading, Font, Image and Anchor Tags – Different types of Lists using tags – Table Tags, Image formats – Creation of simple HTML Documents - Advanced HTML – Frames and its usage

Unit-IV : Dreamweaver **10 Hours**

Introduction to Macromedia Dreamweaver, Interface, Application Setup, Site Control, Define local and remote sites, Setup FTP connection, Basics of Dreamweaver – Insert text, images, page properties, Hyperlinks, Relative and Absolute addresses, Image Maps, Typography, Fonts, Flash Text, Tables – Properties of Tables, A table as a layout tool, Nested tables

Unit-V : Web Designing using Dreamweaver **10 Hours**

Getting Started – Creating Dreamweaver files – Page properties – Appearance – Links – Headings – Title/Encoding – Image placement – Inserting an Image – Placing an Image and Adding a Border – Text placement – Formatting Text – Creating a Link Basic use of tables – Case study: Creation of a Website using Dreamweaver

Reference Books :

1. In-line/On-line : Fundamentals of the Internet and the World Wide Web, 2/e - by Raymond Greenlaw and Ellen Hepp, Publishers : TMH
2. Dreamweaver CS6 in Easy Steps : speedy path to Grasp the Keytools, 1/e - by Nick Vandone, Publishers : McGraw Hill
3. Sams Teach yourself Dreamweaver CS5 in 24 Hours – By Bruce, Publishers: Pearson India

SRI RAMAKRISHNA AUTONOMOUS DEGREE COLLEGE, NANDYAL

II B.A/B.COM/ B.SC . COURSES

SEMESTER-III

ENGLISH SYLLABUS (2017-18 REGULATIONS)

Unit-I

Prose:

1. Shyness My Shield - M.K.Gandhi
2. The Best Investment I Ever Made - A.J.Cronin

Unit-II

Poetry:

1. Once upon a Time - Gabriel Okara
2. Digging - Seamus Heaney

Unit-II

Short Story:

1. The Last Leaf - O. Henry
2. The Beloved Charioteer - Shashi Deshpande

Unit-IV

One-Act Play:

1. Kanyasulkam - Gurajada Apparao

Unit-V

1. Language and laboratory Activities:
   1. JAM Session
   2. Note Making
   3. Reporting for the Media
   4. Expansion of an Idea
2. Classroom Activities:
   1. Transformation of sentences (Simple, compound and complex)
   2. Note Making
   3. Report writing
   4. Writing for the me

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 - III

I. ప్రాచీన కవిత్వం:

(అ) పోతన - వామనావతారం

ఆంధ్రమహాభాగవతం - ఎనిమిదవ స్కంధం (582-621)

("కులమున్ రాజ్యము" నుండి "రవిబింబంబుపమింప" వరకు)

(ఆ) కొఱవిగోపరాజు - శాలివాహన విజయం

సింహాసన ద్వాత్రింశిక - ఒకటవ ఆశ్వాసం (115-165)

("సజ్జిత దానధర్మ" నుండి "ఇట్లు విక్రమార్కుడీల్గిన" వరకు)

II ఆధునిక కవిత్వం

(అ) కుసుమ ధర్మన్న - హరిజన శతకము (1-20)

"శ్రీహరినుత నీదు" నుండి "నీకులంబువారు" వరకు

(ఆ) రాయప్రోలు సుబ్బారావు- సంక్రాంతి సంబరము - మిశ్రమంజరిలోంచి - "అయిదు లక్షల అరవదేడులు" నుండి "మంగళము సంక్రాంతి సామికి" వరకు

III గద్యభాగం (వ్యాస సంపుటి)

(అ) ఆచార్య గుజ్జర్లమూడి కృపాచారి - తెలుగు భాష

(ఆ) ఆచార్య రాచపాళెం చంద్రశేఖర రెడ్డి- వ్యక్తిత్వ వికాసం

IV ఛందస్సు - అలంకారాలు

(అ) ఛందస్సు - ఉత్పలమాల, చంపకమాల, శార్దూలం, మత్తేభం, కందం, తేటగీతి, ఆటవెలది

(ఆ) అలంకారాలు - ఉపమ, రూపక, ఉత్ప్రేక్ష, స్వభావోక్తి, అతిశయోక్తి, అర్థాంతరన్యాస, దృష్టాంతం, శబ్దాలంకారాలు.

విద్యార్థి కృత్యాలు:

1. తెలుగు వారాలు, తిథులు, నక్షత్రాలు, సంవత్సరాల పేర్లు నేర్చుకోండి.
2. మీ వ్యక్తిత్వాన్ని మీరు ఏ విధంగా మెరుగుపరుచుకుంటున్నారో వ్యాసం రాయండి.
3. అంత్యానుప్రాసాలంకారంలో ఒక కవిత సొంతంగా రాయండి.

6

402-A Oct/Nov, 2016

SRI RAMAKRISHNA DEGREE (AUTONOMOUS) COLLEGE, NANDYAL
B.A/B.Com. /B.Sc. (THREE YEARS) Degree Examinations, October /November 2016
THIRD SEMESTER END EXAMINATIONS (SYLLABUS)
Part – I (b): SANSKRIT (2016-17 Regulations)
Paper III: Drama, Upanishad, Alankaras and Literature & Grammar

Unit – I: प्राचीन रूपक विभागः

1. दूत वाक्यं ।

Unit – II: आधुनिक रूपक विभागः

1. अशनि निरासम्

Unit – III: उपनिषद् विभागः

1. उपनिषदादेशः

Unit – IV: अलङ्कार विभागः

1.उपमा 2. अनन्वयः 3. उत्प्रेक्षा 4. दीपकम् 5. अप्रस्तुत प्रशंसा 6. दृष्टान्तः

Unit – V: महाकवि - शास्त्रकार विभागः

1.पाणिनिः 2. कौटिल्यः 3. भारतमुनिः 4. भारविः 5. माघः 6. भवभूतिः

Unit – VI: व्याकरण - विभागः

a) शब्दाः 1. वाच् 2. मरुत् 3. भगवत् 4. राजन्

5. विद्वस् 6. मनस् 7.अस्मद् 8.युष्मद्

b) कृदन्त प्रत्ययाः 1.क्त्वा 2. ल्यप् 3. तुमुन् 4. तव्य

SRI RAMAKRISHNA DEGREE(AUTONOMOUS) COLLEGE: NANDYAL
B.Sc. SECOND YEAR MATHEMATICS SYLLABUS
SEMESTER – III, PAPER - 3

ABSTRACT ALGEBRA

60 Hrs

UNIT – 1 : (10 Hrs) GROUPS : -

Binary Operation – Algebraic structure – semi group-monoid – Group definition and elementary properties Finite and Infinite groups – examples – order of a group. Composition tables with examples.

UNIT – 2 : (14 Hrs) SUBGROUPS : -

Complex Definition – Multiplication of two complexes Inverse of a complex-Subgroup definition – examples-criterion for a complex to be a subgroups.

Criterion for the product of two subgroups to be a subgroup-union and Intersection of subgroups.

Co-sets and Lagrange's Theorem :-

Cosets Definition – properties of Cosets–Index of a subgroups of a finite groups–Lagrange's Theorem.

UNIT –3 : (12 Hrs) NORMAL SUBGROUPS : -

Definition of normal subgroup – proper and improper normal subgroup–Hamilton group – criterion for a subgroup to be a normal subgroup – intersection of two normal subgroups – Sub group of index 2 is a normal sub group – simple group – quotient group – criteria for the existence of a quotient group.

UNIT – 4 : (10 Hrs) HOMOMORPHISM : -

Definition of homomorphism – Image of homomorphism elementary properties of homomorphism – Isomorphism – aultomorphism definitions and elementary properties–kernel of a homomorphism – fundamental theorem on Homomorphism and applications.

UNIT – 5 : (14 Hrs) PERMUTATIONS AND CYCLIC GROUPS : -

Definition of permutation – permutation multiplication – Inverse of a permutation – cyclic permutations – transposition – even and odd permutations – Cayley's theorem.

Cyclic Groups :-

Definition of cyclic group – elementary properties – classification of cyclic groups.

Reference Books :

1. Abstract Algebra, by J.B. Fraleigh, Published by Narosa Publishing house.
2. A text book of Mathematics for B.A. / B.Sc. by B.V.S.S. SARMA and others, Published by S.Chand & Company, New Delhi.
3. Modern Algebra by M.L. Khanna.

Suggested Activities:

Seminar/ Quiz/ Assignments/ Project on Group theory and its applications in Graphics and Medical image Analysis

SRI RAMAKRISHNA (AUTONOMOUS) DEGREE COLLEGE: NANDYAL
II . B.Sc. PHYSICS
III SEMESTER SYLLABUS
Wave Optics

UNIT-I

1. Aberrations:

Introduction – monochromatic aberrations, spherical aberration, methods of minimizing spherical aberration, coma, astigmatism and curvature of field, distortion. Chromatic aberration-the achromatic doublet.Achromatism for two lenses (i)in contact and (ii) separated by a distance.

UNIT-II

2. Interference

Principle of superposition – coherence-temporal coherence and spatial coherence-conditions for interference of light.Fresnel's biprism-determination of wavelength of light –change of phase on reflection.Oblique incidence of a plane wave on a thin film due to reflected and transmitted light (cosine law) –colors of thin films-

Interference by a film with two non-parallel reflecting surfaces (Wedge shaped film). Determination of diameter of wire, Newton's rings in reflected light. Michelson interferometer, Determination of wavelength of monochromatic light using Newton's rings and Michelson Interferometer.

UNIT-III

3. Diffraction

Introduction,distinction between Fresnel and Fraunhoffer diffraction, Fraunhoffer diffraction –Diffraction due to single slit-Fraunhoffer diffraction due to double slit-Fraunhoffer diffraction pattern with N slits (diffraction grating).Resolving power of grating, Determination of wavelength of light in normal incidence and minimum deviation methods using diffraction grating,

Fresnel's half period zones-area of the half period zones-zone plate-comparison of zone plate with convex lens-difference between interference and diffraction.

UNIT-IV

4.Polarisation:

Polarized light: methods of polarization polarization by reflection, refraction, double refraction, scattering of light-Brewster's law-Mauls law-Nicol prism polarizer and analyzer-Quarter wave plate, Half wave plate-optical activity, determination of specific rotation by Laurent's half shade polarimeter-Babinet's compensator - idea of elliptical and circular polarization

UNIT-V

5. Lasers and Holography

Lasers: introduction,spontaneous emission, stimulated emission. Population Inversion, Laser principle-Einstein coefficients-Types of lasers-He-Ne laser, Ruby laser-Applications of lasers.Holography: Basic principle of holography-Gabor hologram and its limitations, Applications of holography.

6. Fiber Optics

Introduction- different types of fibers, rays and modes in an optical fiber, fiber material,principles of fiber communication (qualitative treatment only), advantages of fiber optic communication.

II YEAR III SEMESTER

Paper-III : OBJECT ORIENTED PROGRAMMING USING JAVA

UNIT-1

FUNDAMENTALS OF OBJECT – ORIENTED PROGRAMMING : Introduction, Object Oriented paradigm, Basic Concepts of OOP, Benefits of OOP, Applications of OOP, Java features: **OVERVIEW OF JAVA LANGUAGE**: Introduction, Simple Java program structure, Java tokens, Java Statements, Implementing a Java Program, Java Virtual Machine, Command line arguments. **CONSTANTS, VARIABLES & DATA TYPES:** Introduction, Constants, Variables, Data Types, Declaration of Variables, Giving Value to Variables, Scope of variables, Symbolic Constants, Type casting, Getting Value of Variables, Standard Default values; **OPERATORS & EXPRESSIONS**.

UNIT-II

DECISION MAKING & BRANCHING: Introduction, Decision making with if statement, Simple if statement, if. Else statement, Nesting of if. else statements, the else if ladder, the switch statement, the conditional operator. **LOOPING**: Introduction, The While statement, the do-while statement, the for statement, Jumps in loops.

CLASSES, OBJECTS & METHODS: Introduction, Defining a class, Adding variables, Adding methods, Creating objects, Accessing class members, Constructors, Method overloading, Static members, Nesting of methods;

UNIT-III

INHERITANCE: Extending a class, Overloading methods, Final variables and methods, Final classes, Abstract methods and classes;

ARRAYS, STRINGS AND VECTORS: Arrays, One-dimensional arrays, Creating an array, Two – dimensional arrays, Strings, Vectors, Wrapper classes;

INTERFACES: MULTIPLE INHERITANCE: Introduction, Defining interfaces, Extending interfaces, Implementing interfaces, Assessing interface variables;

UNIT-IV

MULTITHREADED PROGRAMMING: Introduction, Creating Threads, Extending the Threads, Stopping and Blocking a Thread, Lifecycle of a Thread, Using Thread Methods, Thread Exceptions, Thread Priority, Synchronization, Implementing the 'Runnable' Interface.

MANAGING ERRORS AND EXCEPTIONS: Types of errors : Compile-time errors, Run-time errors, Exceptions, Exception handling, Multiple Catch Statements, Using finally statement,

UNIT-V

APPLET PROGRAMMING: local and remote applets, Applets and Applications, Building Applet code, Applet Life cycle: Initialization state, Running state, Idle or stopped state, Dead state, Display state.

PACKAGES: Introduction, Java API Packages, Using System Packages, Naming conventions, Creating Packages, Accessing a Package, using a Package.

MANAGING INPUT/OUTPUT FILES IN JAVA: Introduction, Concept of Streams, Stream classes, Byte Stream Classes, Input Stream Classes, Output Stream Classes, Character Stream classes: Reader stream classes, Writer Stream classes, Using Streams, Reading and writing files.