

**DEPARTMENT OF ENGLISH
KAKATIYA UNIVERSITY
SYLLABUS FOR I YEAR (I SEMESTER) GENERAL ENGLISH
AT UNDERGRADUATE LEVEL
w.e.f (under CBCS from 2019-2020)**

Text Book Entitled - *English for Advancement* for I Year (Sem I & II) 4 Credits
Published by Orient BlackSwan

| | | |
|-------------------------------------|-----------------------|---|
| UNIT ONE (SHORT FICTION) | TEXT | AN ASTROLOGER'S DAY by R.K.NARAYAN |
| | GRAMMAR | NOUNS AND PRONOUNS |
| | VOCABULARY | WORD ROOTS |
| | READING COMPREHENSION | HAZARDS OF FOOD COLOURING |
| | PRONUNCIATION | CONSONANTAL SOUNDS |
| | LANGUAGE SKILLS | TYPES OF LISTENING |
| | SOFT SKILLS | MOTIVATION AND GOAL-SETTING |
| UNIT TWO (PROSE) | TEXT | OF STUDIES by FRANCIS BACON |
| | GRAMMAR | ADJECTIVES |
| | VOCABULARY | FUNNY SIDE OF ENGLISH |
| | READING COMPREHENSION | PLEASURES OF IGNORANCE by ROBERT LYND |
| | PRONUNCIATION | VOWEL SOUNDS |
| | LANGUAGE SKILLS | CONVERSATION SKILLS |
| | SOFT SKILLS | TIME MANAGEMENT |
| UNIT THREE (POETRY) | TEXT | A POISON TREE by WILLIAM BLAKE |
| | GRAMMAR | ADVERBS |
| | SPELLING | COMMONLY MISPELT WORDS |

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| | READING COMPREHENSION | VALUES IN LIFE by RUDYARD KIPLING |
| | PRONUNCIATION | PHONETIC TRANSCRIPTION |
| | SOFT SKILLS | EMOTIONAL INTELLIGENCE & SOCIAL CONSCIOUSNESS |
| UNIT FOUR (DRAMA) | TEXT | THE RISING OF THE MOON by LADY GREGORY |
| | GRAMMAR | VERBS |
| | PRONUNCIATION | INTONATION |
| | READING COMPREHENSION | HAZRATH URS |
| | LANGUAGE SKILLS | SPEAKING : JAM |
| | VALUE ORIENTATION | SELF-DISCOVERY |

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**DEPARTMENT OF ENGLISH
KAKATIYA UNIVERSITY
SYLLABUS FOR I YEAR (II SEMESTER) GENERAL ENGLISH
AT UNDERGRADUATE LEVEL
(under CBCS from 2019-2020)**

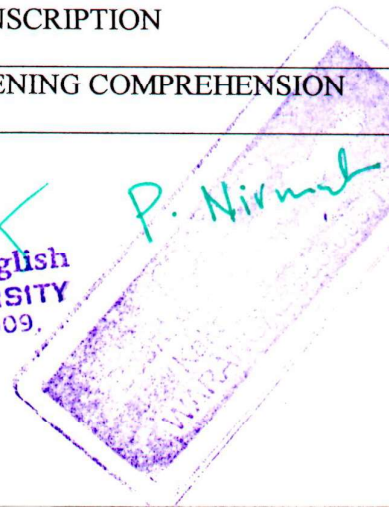
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|-------------------------------------|-----------------------|--|
| UNIT ONE (SHORT FICTION) | TEXT | WITH THE PHOTOGRAPHER by STEPHEN LEACOCK |
| | GRAMMAR | PREPOSITIONS |
| | VOCABULARY | PREFIXES AND SUFFIXES |
| | READING COMPREHENSION | SPORTS, POLITICS AND DEMOCRACY by ARIO BIMO UTOMO |
| | PRONUNCIATION | STRESS |
| | LANGUAGE SKILLS | INTRODUCING ONSELF IN FORMAL AND INFORMAL SITUATIONS |
| | SOFT SKILLS | LATERAL THINKING |
| UNIT TWO (PROSE) | TEXT | A TREATISE ON GOOD MANNER AND GOOD BREEDING by JONATHAN SWIFT |
| | GRAMMAR | CONJUNCTIONS |
| | VOCABULARY | SYNONYMS |
| | READING COMPREHENSION | THE ECONOMIC POWER OF LANGUAGE by GABRIELLE HOGAN-BRUN |
| | PRONUNCIATION | STRESS AND PRACTICE IN PHONETIC TRANSCRIPTION |
| | LANGUAGE SKILLS | LISTENING COMPREHENSION |

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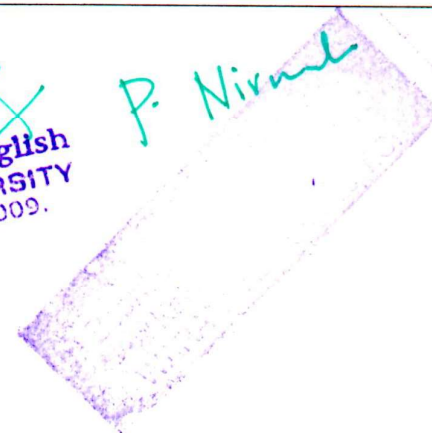
| | SOFT SKILLS | ATTITUDE |
|--------------------------------|-----------------------|---|
| UNIT THREE (POETRY) | TEXT | ODE ON SOLITUDE by ALEXANDER POPE |
| | GRAMMAR | KINDS OF SENTENCE |
| | SPELLING | PLURALS |
| | READING COMPREHENSION | JADAV PAYENG: THE FOREST MAN OF INDIA |
| | PRONUNCIATION | ASSIMILATION |
| | SOFT SKILLS | TEAM WORK |
| UNIT FOUR (DRAMA) | TEXT | A MARRIAGE PROPOSAL by ANTON CHEKOV |
| | GRAMMAR | COMMON MISTAKES |
| | PRONUNCIATION | ELISON |
| | READING COMPREHENSION | HOW I BECAME A PUBLIC SPEAKER? by GEORGE BERNARD SHAW |
| | LANGUAGE SKILLS | PRESENTATIONS |
| | VALUE ORIENTATION | SELF-CONFIDENCE |

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KAKATIYA UNIVERSITY - WARANGAL - TELANGANA
Under Graduate Courses (Under CBCS 2020 – 2021 onwards)
B.A/B.COM/BBA/B.SC ENGLISH II YEAR
SEMESTER – III

PAPER – III: ENGLISH

Theory: 3 Hours/Week; Credits: 3 Marks: 100 (Internal: 20; External: 80)

Prescribed Textbook entitled: English for Excellence
Published by Orient BlackSwan

UNIT I: GENDER EQUALITY

1. “Achieving Gender Equality in India: What Works, and What Doesn’t” by Smriti Sharma
2. “They Shut me up in Prose” by Emily Dickinson
3. Prepositions
4. Phrasal Verbs

UNIT II: GENDER ROLES

1. “The Wonder Story of Kalpana Saroj” by Rakhi Chakraborty
2. “The Kitchen” by Vimala
3. Voice
4. Technical Vocabulary

UNIT III: ENDING VIOLENCE AGAINST WOMEN

1. “What is my Name?” by P.Sathyavathi
2. “Voice of the Unwanted Girl” by Sujatha Bhatt
3. Connectives
4. Idioms

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B.A/B.COM/BBA/B.SC ENGLISH II YEAR
SEMESTER – IV

PAPER – IV: ENGLISH

Theory: 3 Hours/Week; Credits: 3 Marks: 100 (Internal: 20; External: 80)

Prescribed Textbook entitled: English for Excellence
Published by Orient BlackSwan

UNIT I: RENEWABLE AND NON-RENEWABLE RESOURCES

1. Jadav Payeng
2. “The Tame Bird was in a Cage” by Rabindranath Tagore
3. Reported Speech
4. Commonly Confused Words

UNIT II: ECOSYSTEMS AND ENVIRONMENTAL POLLUTION

1. “Climate Change and Global Warming” by Michael Shafer
2. “A Requiem for Earth” by O.N.V.Kurup
3. Conditionals
4. Suffixes

UNIT III: CONSERVATION AND BIODIVERSITY

1. “The Ungrateful Man: A Conversation between Trees ” by Swathi Shenoy
2. “The Felling of the Banyan Tree” by Dilip Chitre
3. Common Errors
4. Collocations

C.B.C.S Pattern Syllabus from 2019-2010 onwards
B.A., B.Sc., B.Com. & B.BA
1st Semester IIInd Languages - Telugu

Unit -I ప్రాచీన కవిత్వం

- 1) శకుంతలోపాఖ్యానం- నన్నయ
- 2) గోడగూచి కథ - పొల్లూరికి సోమనాధుడు
- 3) సంవరణుడి తపస్సు-అద్దంకి గంగాధరుడు

Unit -II ఆధునిక కవిత్వం

- 1) కాసులు-గురజాడ అప్పారావు
- 2) రాజు-కవి-డా.గుంట్లం జాషువా
- 3) గంగిరెద్దు-డా. పల్ల దుర్గయ్య
- 4) జయభేరి-శ్రీ శ్రీ

Unit -III వచన కవిత్వం

రుద్రమదేవి (నవల) - ఒద్దిరాజు సోదరులు

Unit -IV భాషా భాగాలు-వ్యాకరణం

పర్యాయ పదాలు, నానార్థాలు, సంధులు, సమాసాలు, తెలుగు వాక్యం



Handwritten signatures and dates in green ink, including "V. Srinivas", "K. Srinivas", "Srinivas", "1/11/19", and "1/11/19".

C.B.C.S Pattern Syllabus from 2019-2010 onwards
B.A., B.Sc., B.Com. & B.B.A.
2nd Semester IInd Languages - Telugu

Unit -I ప్రాచీన కవిత్వం

- 1) గజేంద్ర మోక్షం-పోతన
- 2) హనుమత్ సందేశం-మొల్ల
- 3) సుభాషితాలు-ఎనుగు లక్ష్మణ కవి

Unit -II ఆధునిక కవిత్వం

- 1) స్నేహలత లేఖ-రాయప్రోలు సుబ్బారావు
- 2) అంతర్నాదం-దాశరథి కృష్ణమాచార్యులు
- 3) ప్రపంచపదులు-డా॥ సి.నారాయణరెడ్డి
- 4) అల్విదా-కౌముది

Unit -III వచన విభాగం

- 1) యుగాంతం-నెల్లూరి కేశవ స్వామి
- 2) ఎంకన్న - ఆచార్య పాకాల యశోదారెడ్డి
- 3) మామిడి పండు - సురవరం ప్రతాపరెడ్డి
- 4) మా ఊరుపోయింది-దేవులపల్లి వేంకట కృష్ణశాస్త్రి

Unit -IV ఛందస్సు

ఉత్పలమాల, చంపకమాల, శార్దూలం, మత్తేభం, ఆటవెలది, తేటగీతి, ద్విపద, సీసం, కందం, ఉత్సాహం, తరళం, స్రగ్ధర, మహాస్రగ్ధర, ముత్యాలసరం



KAKATIYA UNIVERSITY, WARANGAL
B.A., B.Sc., B.Com. & B.B.A (CBCS)
Syllabus - 2020
Telugu (Second Language)
3rd Semester

Unit -I ప్రాచీన పద్యభాగం

- 1) ధర్మజుని వాక్యాతుర్యం - తిక్కన
- 2) విభీషణ శరణాగతి - గోన బుద్ధారాజు
- 3) గుణనిధి కథ - శ్రీనాథుడు

Unit -II ఆధునిక పద్యభాగం

- 1) లైతు ప్రశస్తి - వానమామలై జగన్నాథాచార్యులు
- 2) గురుదక్షిణ - అంబటి లక్ష్మీనరసింహారాజు
- 3) గుడిసెలు కాలిపోతున్నై - డా॥ బోయి భీమన్న

Unit -III అలంకారాలు

- శబ్దాలంకారాలు: వృత్త్యనుప్రాస, ఛేకానుప్రాస, లాటానుప్రాస,
అంత్యానుప్రాస, యమకం, ముక్తపదగ్రస్తాలంకారాలు
- అర్థాలంకారాలు: ఉపమ, ఉత్పేక్ష, రూపక, స్వభావోక్తి, ఉల్లేఖ,
అర్థాంతరవ్యాస, జ్ఞేష, దృష్టాంతాలంకారాలు

పాఠ్యగ్రంథం: తెలుగు అకాడమీ వారి "సాహితీ కిన్నెర" తెలుగు వాచకం


29.8.2020
Chairman
Board of Studies in Telugu
KAKATIYA UNIVERSITY
WARANGAL, P.




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Warangal-506 003(T.S.).

KAKATIYA UNIVERSITY, WARANGAL
B.A., B.Sc., B.Com. & B.B.A (CBCS)
Syllabus - 2020
Telugu (Second Language)
4th Semester

Unit -I ప్రాచీన పద్యభాగం

- 1) నారద గానమాతృర్యం - పింగలి సూరన
- 2) వాగ్దాన భంగం - అసూరి మరింగంటి వేంకట నరసింహాచార్యులు
- 3) నారసింహ శతకం - ధర్మపురి శేషప్ప

Unit -II ఆధునిక పద్యభాగం

- 1) నరుడ నేను, నరుడ నేను - కాళోజీ
- 2) ఆత్మగీతం - దేవరకొండ బాలగంగాధర తిలక్
- 3) దేవరకొండ దుర్గం - డా॥ ముకురాల రామారెడ్డి

Unit -III వచన విభాగం

- 1) అర్ధరాత్రి అరుణోదయం - దాశరథి రంగాచార్య
- 2) సి.పి బ్రౌన్ సాహిత్య సేవ - జానమద్ది హనుమచ్ఛాస్త్రి
- 3) మన గ్రామ నామాలు - డా॥ కపిలవాయి లింగమూర్తి
- 4) నివురు తొలగిన నిప్పు - పోల్కంపల్లి శాంతాదేవి
- 5) కొండమల్లెలు - ఇల్లిందల సరస్వతీదేవి

పాఠ్యగ్రంథం: తెలుగు అకాడమీ వారి "సాహితీ కిన్నెర" తెలుగు వాచకం


29.8.2020
Chairman
Board of Studies in Telugu
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WARANGAL, A.P.




Head
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KAKATIYA UNIVERSITY, WARANGAL
B.Sc. Programme
Under CBCS System wef A.Y: 2020-21
Second Year :: Semester - IV
BS-402/ SEC-4 (Common to all Science Courses)

Remedial Methods of Pollution - Drinking Water & Soil Fertility

[2HPW, #Credits: 2, Marks:50 (Internal:10, External:40)]

(Taught by: Chemistry Department)

UNIT I: Remedial Methods for Pollution:

Prevention and control of air pollution: Ozone hole - Causes and harm due to ozone depletion, Effect of CFC's in Ozone depletion and their replacements, Global Warming and Green-house effect, Precaution measures to control global warming, Deleterious effect of pollutants, Endangered monuments, Acid rain, Precautions to protect monuments, Sources of Radiation pollution, Chernobyl accident and its consequences. Radiation effect by usage of cell phones and protection tips, Deleterious effects of cell phone towers and health hazards.

Sources of water pollution: (i) Pollution due to pesticides and inorganic chemicals, (ii) Thermal pollution (iii) Ground water pollution (iv) Eutrophication.

Methods for control of water pollution and water recycling: Dumping of plastics in rivers and oceans and their effect on aquatic life, Determination of (i) Dissolved oxygen and (ii) Chemical Oxygen demand in polluted water, Illustration through charts (or) demonstration of experiments,

Sources of soil pollution: (i) Plastic bags (ii) Industrial and (iii) Agricultural sources, Control of soil pollution, Environmental laws in India, Environmental benefits of planting trees.

UNIT II: Drinking Water and Soil Fertility Standards and Analysis:

Water quality and common treatments for private drinking water systems, Drinking Water Standards: 1. Primary drinking water standards: Inorganics, Organics and Volatile Organic Chemicals, 2. Secondary drinking water standards: Inorganics and Physical Problems, Water testing, Mineral analysis, Microbiological tests, Pesticide and Other Organic Chemical Tests, Principle involved in Water Treatment Techniques: (i) Reverse Osmosis (ii) Disinfection methods such as Chlorination, Ultraviolet light, ozonation etc... (iii) Chemical oxidation and iv) Ion exchange (water softeners). Visit to nearby drinking water plants and interaction at sites.

Introduction to Soil Chemistry: Basic Concepts. Effect of P^H on nutrient availability, Macronutrients and their effect on plants, Carbon, Hydrogen, Oxygen, Nitrogen and Phosphorus, other macronutrients, Calcium, Magnesium and Sulfur, Micronutrients and their effect on plants, Boron ($B_4O_7^{2-}$), Copper (Cu^{2+}), Iron (Fe^{2+} , Fe^{3+}), Manganese (Mn^{2+}), Molybdenum (MoO_4^{2-}), Zinc (Zn^{2+}), Cobalt (Co^{2+}), Chlorine (Cl^-) and others. Determination of soil nitrogen by Kjeldahl method, Illustration through charts and demonstration of experiment, Visit to nearby agricultural farms and interaction with farmers, Discussion with farmers on the use of 'Soil Analysis Kits'.

KAKATIYA UNIVERSITY - WARANGAL - TELANGANA

B.Sc. Programme under CBCS

With effect from the A.Y: 2019

Optional Paper

(Common to all Science Courses)

III Year SEMESTER – VI

PUBLIC HEALTH AND HYGIENE

UNIT-I: Nutrition, Environment and Health

- 1.1 Classification of foods – Carbohydrates, Proteins, Lipids and Minerals.
- 1.2 Nutritional deficiencies and disorders of Carbohydrates, Proteins, Lipids and Minerals.
- 1.3 Concept, Steps and Applications of Environment and Health Impact Assessment.
- 1.4 Industrial, Agricultural and Urban Health. Environmental Pollution and Associated Health Hazards.

UNIT-II : Communicable and Non-Communicable Diseases

- 2.1 Causes, symptoms, diagnosis, treatment and prevention of Communicable Diseases (Malaria, Filaria, Tuberculosis and AIDS).
- 2.2 Causes, symptoms, diagnosis, treatment and prevention of Non-Communicable Diseases (Hypertension, Coronary Heart Diseases, Diabetes and Obesity).
- 2.3 Symptoms, treatment and prevention measures of Water Borne Diseases (Diarrhea, Typhoid, Hepatitis and Amebiasis).
- 2.4 Symptoms, treatment and prevention measures Air Borne Diseases (COVID-19, Influenza, Whooping cough and Chickenpox).

UNIT-III :Food and Diet Systems

- 3.1 Definition of Food, Types of foods (Texturized foods, Novel foods and Organic foods).
- 3.2 Food safety system and issues; Physical, chemical and microbiological contaminants; The significance of foodborne diseases.
- 3.3 Principles of diet in diseases, Classification of diets according to nutrients.
- 3.4 Etiology, Symptom and Dietary Management in Obesity, Underweight, Hypertension, Diabetes Mellitus, Atherosclerosis.

UNIT-IV : Personal Hygiene and Sanitation

- 4.1 Definition of Hygiene and Sanitation, Personal Hygiene of food handler, Techniques of Washing Hands, Pest control and Garbage Disposal.
- 4.2 Definition of Public Health, Hygiene, Social and Preventive Medicine, Basic aspects of Personal Hygiene and Disposal of Waste.
- 4.3 The Hygiene Practices of the different categories of family members (children, parents and aged members)
- 4.4 Definition of Sanitation, Environmental Sanitation, Sanitation of Food Serving Institution, The importance of proper sanitation practices.

Suggested Readings:

TELANGANA STATE
B.A. (HISTORY) SYLLABUS
Semester - I
History of India (From Earliest Times to c.700 CE)
(DSC-101) Discipline Specific Course - Paper - I
(With Effect from 2019-2020)

- Module-I: Definitions - Nature and Scope of History - History and Its Relationship with other Social Sciences - Geographical Features of India - Sources of Indian History: Pre-History - Paleolithic, Mesolithic, Neolithic, Chalcolithic and Megalithic Cultures.
- Module-II: Indus Valley Civilization - Its Features & Decline; Early Vedic and Later Vedic Civilizations - Vedic Literature - Society - Economy - Polity - Religion.
- Module-III: Rise of New Religious Movements - Charvakas, Lokayathas, Jainism and Buddhism; Mahajanapadas - Rise of Magadha; Alexander's Invasion and Its Impact.
- Module-IV: Foundation of the Mauryan Dynasty; Ashoka and His Dharma - Polity - Administration - Society - Economy - Religion - Literature - Art and Architecture; Disintegration of the Mauryan Empire; Post-Mauryan Kingdoms - Indo-Greeks - Kushanas and Kanishka - Society - Economy - Literature - Art and Architecture; The Satavahanas; Sangam Age - Literary Development.
- Module-V: Gupta Empire: A Brief Political Survey - Polity and Administration, Social and Economic Conditions, Agriculture and Land Grants - Feudalism, Caste System, Position of Women, Education, Literature, Science and Technology, Art and Architecture - Harshavardana and His Achievements.

Recommended Books:

- A.L. Basham, *The Wonder that was India*, Rupa & Co., New Delhi, 2001.
 Allchin, Bridget & Raymond, *The Rise of Civilization in India and Pakistan*, CUP, New Delhi, 1996.
 E.H. Carr, *What is History?* Penguin Books, England, 1990.
 Majumdar, R.C., *History and Culture of the Indian People*, Vols. I, II & III.
 Romila Thapar, *Asoka and the Decline of the Mauryas*, OUP, New Delhi, 1995.
 Romila Thapar, *Early India (From the earliest to AD 1300)*.
 Romila Thapar, *A History of India*, Vol. I, Penguin Books, New Delhi, 1990.
 Upinder Singh, *A History of Ancient and Medieval India*.

R. SOMALATHA

TELANGANA STATE
B.A. (HISTORY) SYLLABUS
Semester - II
History of India (c.700-1526 CE)
(DSC-201 - Discipline Specific Course) - Paper – II
(2019-2020)


- Module-I: The Age of Rajputs Society, Economy and Culture - Rise of Regional States: Pallavas, Chalukyas of Badami, Rashtrakutas, Cholas; Local Self Government under Cholas; Society, Economy, Literature, Art and Architecture; Bhakti Movement in South India: Shaiva Nayanars and Vaishnava Alwars.
- Module-II: Arab Conquest of Sind, Ghaznavids and Ghoris; Foundation of Delhi Sultanate: Slave, Khaljis, Tughlaqs, Sayyids and Lodis – Polity, Administration, Society – Religion - Economy - Art and Architecture - Growth of Education and Literature – and the decline of Delhi Sultanate.
- Module-III: Bhakti and Sufi Movements, Prominent Bhakti and Sufi Saints, their Preachings - Impact on Society and Culture - Emergence of Composite Culture.
- Module-IV: Kakatiyas – Polity – Administration - Society and Economy - Literature and Religion – Art and Architecture – Yadavas – Hoysalas and Pandyas – Their contribution to South Indian Culture.
- Module-V: Vijayanagara – A Brief survey of Political History – Polity - Administration - Society and Economy – Religion – Art and Architecture – Language and Literature - The Brief History of Bahamanis and their Contribution to the Deccan Culture.

Recommended Books:

A.L. Basham, *The Wonder that was India*, Rupa & Co., New Delhi, 2001.
 Irfan Habib, *Medieval India-I*, OUP, Delhi, 1999.
 K.A. Nilakanta Sastri, *A History of South India*.
 Majumdar, R.C., *History and Culture of the Indian People*, Vols. I, II & III.
 Romila Thapar, *Early India (From the earliest to AD 1300)*.
 Satish Chandra, *Medieval India (From Sultanate to the Mughals)*, Part-I, Har-Anand Publications, New Delhi, 1997.
 Upinder Singh, *A History of Ancient and Medieval India*.
 Vipul Singh, *Interpreting Early and Medieval India*.

Telugu:

A. Bobbili and others, *Bharatha Desha Charitra upto A.D. 1526*, Telugu Academy, Hyderabad, 2003.
 D.D. Kosambi, *Bharatha Desha Charitra Parichaya Vyasalu*, Hyderabad Book Trust, Hyderabad, 1996.
 B.A. First & Second Year *Indian History* Text Books (English & Telugu Medium-CBCS) 2017-18.


 [S:SUMALATHA]

TELANGANA STATE
B.A. (HISTORY) SYLLABUS
Semester - III
History of India (1526-1857 CE)
(DSC - Discipline Specific Course - Paper - III
(2019-2020)

- Module-I: Establishment of Mughal Dynasty - Sources – Shershah Sur and His Reforms - Brief Survey of Political History of Mughals – Akbar, Shah Jahan and Aurangzeb - Polity - Administration – Society – Economy – Technological Developments - Religion – Hindu-Muslim Relations – Emergence of Composite Culture – Education – Language and Literature – Art and Architecture - Disintegration of Mughal Empire.
- Module-II: Rise of Regional Powers - Marathas – Shivaji his Military Achievements, and his Administration – The Rise of Peshwas – and their role in Maratha History - The Third Battle of Panipat – The Rise of Sikhs. – Ranjit Singh – Rise of Princely States – Hyderabad – Avad - Junagarh – Mysore – Kashmir.
- Module-III: Advent of European Powers - Portuguese, Dutch, English and French, Anglo-French Rivalry - Expansion and Consolidation of British Power – Wellesley's Subsidiary Alliance – Dalhousie's Doctrine of Lapse.
- Module-IV: Three Stages of Colonialism – Mercantilism - Free Trade Policies – Finance Capital - Land Revenue Settlements – Cornwallis and Permanent Revenue Settlement; Thomas Munroe and Ryotwari; Mahalwari System – Changes in the Agrarian Economy and Condition of Peasantry – Famines.
- Module-V: Decline of Rural Cottage Industries and Urban Handicrafts - Growth of Railways, Roads, Communication – Modern Industries – Coal Mines, Textiles, Iron and Steel, etc. - Anti-Colonial Upsurge - 1857 Revolt – Nature, Causes and Results.

Recommended Books:

- A.L. Srivastava, *History of India from A.D. 1000 to 1707*.
A.R. Desai, *Social Background of Indian Nationalism*.
Bipan Chandra, *A History of Modern India*.
Harbans Mukhia, *The Mughals*.
John F. Richards, *The Mughal Empire*, CUP, New Delhi, 1995.
R.C. Majumdar (ed.), *A History and Culture of India People*, Bharatiya Vidya Bhavan Series (Relevant Vols.).
R.C. Majumdar, H.C. Raychaudhuri & K. Datta, *An Advanced History of India*, Madras, 1995.
Satish Chandra, *Medieval India*, Vol. II.
Sumit Sarkar, *Modern India (1885-1947)*, Macmillan India Ltd., Madras, 1995.
Tarachand, *A History of the Freedom Movement in India*, Four Volumes.
V.D. Mahajan, *History of Medieval India (Sultanate Period and Mughal Period)*.
V.D. Mahajan, *Modern Indian History*.
Telugu:
B. Laxminarayana Rao, *Bharatadesa Swathantra Charitra* (Part-3), (Trans.), Telugu Academy, 2005.
Bipan Chandra, *Adhunik Bharatadesa Charitra* (Translation Sahavasi), Hyderabad Book Trust.
B.A. First & Second Year Indian History Text Books (English & Telugu Medium-CBCS) 2016-17.
J. Durga Prasad and Others, *Bharatadesa Charitra (1526-1964 A.D.)*, Telugu Academy, 2006.
V. Rama Krishna Reddy, *Bharatadesa Charitralo Mukhya Ghattalu*, Telugu Academy, 2005.


[B. SUMALATHA]

TELANGANA STATE
B.A. (HISTORY) SYLLABUS
Semester - IV
History of India (1858-1964 CE)
(DSC - Discipline Specific Course-401) - Paper - IV
(2019-2020)

- Module-I: Queen's Proclamation – Beginning of Colonial Rule – Introduction of Western Education – Role of Christian Missionaries – Press, Communication and Emergence of Middle Classes - Lytton and Rippon: Impact of their Policies.
- Module-II: Socio-Religions Reform Movements – Brahma Samaj - Arya Samaj - Theosophical Society - Ramakrishna Mission - Aligarh Movement; Anti-Caste Movements - Jyotibha Phule - Narayana Guru - Periyar Ramaswamy Naicker and Dr. B.R. Ambedkar.
- Module-III: Factors for the Rise of Nationalism – Formation of Indian National Congress – Three Phases of Freedom Struggle: Moderate Phase, Extremist Phase and Gandhian Era - Non-Cooperation, Civil Disobedience and Quit India Movement; Indian National Army and Subhash Chandra Bose.
- Module-IV: Revolutionary Movement: Gadhar Party – Bhagath Singh – Chandra Sekhar Azad and Others; Left-Wing Movement – Rise of Socialist and Communist Parties - Peasant and Workers Movements.
- Module-V: Emergence of Communal Politics and Mohd. Ali Jinnah – Prelude to Partition of India - Sardar Vallabhai Patel and Integration of Princely States into Indian Union – Republic of India – Jawaharlal Nehru and His Policies.

Recommended Books:

- A.R. Desai, *Social Background of Indian Nationalism*, Popular Prakashan Pvt. Ltd., Mumbai, 2002.
 Bipan Chandra (et.al.), *India's Struggle for Independence*, Penguin Books, Kolkata, 2001.
 Bipan Chandra, *A History of Modern India*.
 Kenneth Jones, *Social and Religious Reform Movements in India*.
 R.C. Majumdar (ed.), *A History and Culture of India People*, Bharatiya Vidya Bhavan Series (Relevant Vols.).
 R.C. Majumdar, H.C. Raychaudhuri & K. Datta, *An Advanced History of India*, Macmillan, Madras, 1995.
 S. Gopal, *Jawaharlal Nehru – A Biography*.
 Sumit Sarkar, *Modern India (1885-1947)*, Macmillan India Ltd., Madras, 1995.
 Tarachand, *A History of the Freedom Movement in India*, Four Volumes.
 V.D. Mahajan, *Modern Indian History*.
- Telugu:**
 B. Vijaya Bharati, *Mahatma Jyothirao Phule* (Translation), Hyderabad Book Trust, 2004.
 Bhoopati Laxminarayana Rao, *Bharatadesa Swathantra Charitra* (Part – 3), (Translation), Telugu Academy, 2005.
 Bipan Chandra, *Adhunik Bharatadesa Charitra* (Translation Sahavasi), Hyderabad Book Trust.
 J. Durga Prasad and Others, *Bharatadesa Charitra (upto 1526-1964 A.D.)*, Telugu Academy, 2006.
 V. Rama Krishna Reddy, *Bharatadesa Charitralo Mukhya Ghattalu*, Telugu Academy, 2005.

[R. SUMALATHA]

TELANGANA STATE
B.A. HISTORY SYLLABUS
Semester - V

History of the Modern World (From 1453 CE to 1964 CE)
(DSE - Discipline Specific Elective-501 (A) - Paper - V
(2019-2020)

- Unit-I: Decline of Medieval Socio-Political, Religious, Economic conditions - Characteristic features of Renaissance - Significance of Reformation and Counter Reformation movements in Europe - Geographical Discoveries and Rise of Colonialism - Colonization of America - Mercantilism and Commercial Revolution. Emergence of Nation States in Europe - Spain - France - England - Russia - Austria - Italy and Prussia - Nature of Absolute Monarchies and Feudalism in Europe and Asia.
- Unit-II: Age of Revolutions - Glorious Revolution (1688) - American Revolution (1776) - French Revolution (1789) - Napoleon - Wars - Reforms- Revolutions of 1830 and 1848 - Industrial Revolution.
- Unit-II: Rise of Capitalism - Impact on Asia and Africa - Colonization of Africa - Asia and Latin America - Entry of European Powers in China - Opium Wars - Revolution in China - Boxer Revolt - Sun-Yat-Sen - Mao's Communist Revolution - Meizi Restoration and Modernization of Japan- Unification Movements in Germany and Italy.
- Unit-IV: World between 1914-1945 Rivalry among colonial powers Imperialist Hegemony - Causes and consequences of first World War - World between the Wars - League of Nations - Russian Revolution - Causes and consequences. Fascism in Italy, Nazism in Germany, Militarism in Japan - Nationalist and Communist Movements in China - Role of Sun-Yat-Sen and Mao-Tze-Dung.
- Unit-V: Causes and consequences of Second World War - UNO, Its Contribution to World Peace - Decolonization and National Liberation Movements in Asia, Latin America and Africa - NAM - its Origin - Aims, Importance..

Recommended Books:

- Arun Bhattacharjee, *History of Modern Europe*, Vol. II.
C.J.H. Hayes, *Europe since 1870 A.D.*, Vol. II.
C.J.H. Hayes, *Europe upto 1870 A.D.*, Vol. I.
Fischer, *A History of Europe*.
J.M. Roberts, *History of the World*, New York, 1976.
Peter Moss, *Modern World History*, Hampshire, 1978.
Taylor, A.J.P., *The Struggle for Mastery in Europe*.
Thompson, D., *Europe Since Napoleon*.
V.D. Mahajan, *History of Modern Europe since 1789*.

Telugu:

- Badriraju Sheshagiri Rao and Others, *Adhunik Prapancha Charitra*, Telugu Academy, 2002.
Y. Vaikuntham., *Prapancha Charitra*, Telugu Academy.

[B-SUMALATHA]

**TELANGANA STATE
B.A. HISTORY SYLLABUS
Semester - VI**

**(A) History and Culture of Telangana (From earliest times to 2014 CE)
(DSE - Discipline Specific Elective-601 A
(2019-2020)**

- Unit-I: Sources – Pre-History of Telangana – Asmaka Janapada and the Culture of Ancient Telangana – Jainism and Buddhism – Brief Political Survey of Satavahanas – Ikshvakus, Vishnukundins – Medieval Telangana from Kakatiyas to Qutb Shahis – Popular Revolts – Sammakka-Sarakka, Sarvai Papanna – Society, Economy and Culture; Fairs, Festivals, Folk, Batukamma, Bonalu, Urs, Moharram, etc. Telangana Food, Festivals, Arts, Folksongs, Symbols, Musical Instruments, Composite Culture.
- Unit-II: Foundation of Asaf Jahi Dynasty – A Brief Survey of The Political History of Asaf Jahis from 1724-1857 – Salarjungs Reforms and their Importance Mir Mahboob Ali Khan and Mir Osman Ali Khan – Modernization of Hyderabad under them – Growth of Transportation and Communication, Public Health, Industries and Osmania University – Public Health – Hospitals – Social, Cultural and Political Awakening in Telangana – Press, Journalism and Library Movements – Nizam Andhra Jana Sangham – Arya Samaj and Its Activities – Ittehadul Muslimin Party – Bhagya Reddy Varma and Dalit Movements.
- Unit-III: Political Developments in Hyderabad State 1900 to 1942 – The Andhra Maha Sabha – Hyderabad State Congress – Mulki-Non-Mulki Issue (1930) - Vandemataram Movement – Comrades Association, Student and Workers Organisations and Movements - Communist Party and Its Activities – The Role of Women in Hyderabad Freedom Movement.
- Unit-IV: Anti-Nizam and Anti-Feudal Movements - Telangana Peasants Armed Struggle – Adivasis Revolt – Kumaram Bheem – Razakars and their Activities – Police Action - Formation of Popular Ministry under Burgula Rama Krishna Rao - Assertion of Mulki Identity and the City College Incident (1952) - Merger of Telangana and the Formation of Andhra Pradesh, (1956) .
- Unit-V: Discrimination, Dissent and Protest - Violation of Gentlemen's Agreement - Agitation for Separate Telangana State: Formation of TPS – Role of Intellectuals, Students, Employees in 1969 Movement - Second Phase Movement for Separate Telangana – Formation of Various Associations – Telangana Aikya Vedika – Telangana Jana Sabha – Telangana Rashtra Samiti (2001) – Mass Mobilization – Sakala Janula Samme – Millennium March – Sagara Haram, Chalo Assembly – December 2009 Declaration and the Formation of Telangana State, June 2014.

Recommended Books:

- Bhangya Bhukya, *The Subjugated Nomads*, Hyderabad, 2010.
Goutham Pingle, *The Fall and Rise of Telangana*, Hyderabad, 2014.
H. Rajendra Prasad, *Asaf Jahis*, Hyderabad, 2006.
I. Thirumali, *Against Dora and Lord*, New Delhi, 2008.
I. Thirumali, *Telangana – Andhra*, Delhi, 2010.
Kingshuk Nag, *Battle Ground Telangana*, Hyderabad, 2010.
Lalitha & Susie Tharu, *We were Making History*, Kali for Women, New Delhi.

B.S. ONALATHA

TELANGANA STATE
B.A. (HISTORY) SYLLABUS
Semester - VI
Islamic History
(DSE - Discipline Specific Elective-601) – B
(2019-2020)

- Unit-I: The Scope of Islamic History – Geographical Conditions of Arabia – Pagan – Civilization and Islam – Political and Social Conditions before the Prophet at Mecca and Madina - Early Life of Prophet Muhammad – Meccan Period – Migration to Madina – The Holy Quran – The Battle of Badr –The Truce – Conquest of Mecca – Conditions of Arabia – Prophet Muhammad Social Reformer and Leader.
- Unit-II: The Era of Pious Khalifas – Abu-Bakr-Umar – Further Expansion – Osman-Ali – Their Achievements – The Struggle for Power between Syria and Al-Iraq and Hij'az – Administrative System under Khalifa - Causes for the Fall of Khalifas.
- Unit-III: The Ummayad Khalifas – Mua-Wiyah-Yazid-I Battle of Karbala – Marwan-I-Abdul Malik and His Achievements - Al-Walid-I, Suleman – Ibn-Ul-Azi-Hisan – His Relations with Byzantine – Conquests in East and West Development of Society and Growth of Fine Arts – Marwan-II and the Fall of Ummayads – Administrative System under Ummayads – Society under Ummayads.
- Unit-IV: The Advent of Abbasids – Al-Saffah and Al-Mnsur Al-Mahddi – Revolt in Khurasan – Byzantine Raid – Al-Hadi – His Achievements – Haroon – Al-Rasheed – His Political and Non-Political Achievements – Rise and Fall of Barmakids – Estimate of Haroon – Al-Rasheed's Character - Al-Amin – Civil War between – Al-Amin and Al-Mamun – Achievements of Al-Mamun – Later – Khalifas of Abbasid Dynasty – Al-Mutasm – War with the Byzantine Empire – Revolt of Tabaristan – The Buwaidas – Azad-ud-Daula – The Seluqs – Malekshah - The Crusades – Causes – Course of Crusades – Imaduddin Zangi – Nuruddin – Mahmud – The Results of Crusades- The Abbasid State – Political and Military Systems – Judician Reforms – Education – Growth of the Fine Arts – Socio-Economic Conditions – Art and Architecture under Abbasids – Growth of Scientific Spirit - Fall of Abbasid Dynasty.
- Unit-V: The Ummayads in Spain – Abdur-Rahman-Hisham-I – War with the Franks – Cultural Progress in Muslim Spain – The Fatimids of Egypt – Al-Mahdi – Al-Qaim – Al-Muizz Fall of Fatimids (1171 A.D.) – Administration and Society under Fatimids.

Recommended Books:

AmirAli, *History of Islamic People*.
P. Hitti, *History of Arabs*.
Moinuddin Nadvis, *Tarikh-i-Islam*.
Suleiman, *Rahamatullah in Alamin*.

[S-SUMALATHA]

KAKATIYA UNIVERSITY - WARANGAL - TELANGANA

Under Graduate Courses (Under CBCS 2020 – 2021 onwards)

B.A. ECONOMICS I Year

SEMESTER – I

PAPER – I MICRO ECONOMICS

(Discipline Specific Course)

Theory: 5 Hours/Week; Credits: 5 Marks: 100 (Internal: 20; External: 80)

Module-I: Consumer Behaviour:

Cardinal Approach to Utility Analysis - Ordinal utility Analysis - Properties of Indifference curves - concept of budget line - equilibrium of consumer - price consumption curve - income consumption curve - derivation of demand curve with the help of Indifference Curves' Analysis - Concepts of price - income and substitution effects.

Module-II Production Analysis

Concept of Production Function - Linear and homogeneous production function - Short run and long run production function – Law of Variable Proportions - Laws of Returns to Scale - Properties of iso-product curves - concept of factor price line - analysis of least cost input combination - concepts of expansion path and economic region of production - Properties of Cobb-Douglas Production Function.

Module-III: Cost and Revenue Analysis

Cost concepts: Accounting, real, opportunity, explicit costs - Total cost- total fixed cost - total variable cost - average cost - average fixed cost - average variable cost - marginal cost and the relationship between average and marginal cost - derivation of long run average cost curve - Economies of scale: internal and external - Revenue concepts: total - average and marginal - relationship between Average revenue & marginal revenue and price elasticity of demand.

Module-IV: Analysis of Market Structure:

Concepts & Classification of Markets –Basic Features of Perfect Competition - Monopoly-Equilibrium of a monopolist – Concept of Price discrimination & degrees of price discrimination-Monopolistic competition – characteristics - concepts of product differentiation and selling cost - Equilibrium under Monopolistic competition – Oligopoly- characteristics of oligopoly – Price and output determination – Analysis of Kinked Demand Curve – Concept of Duopoly - Cournot's version of duopoly.

Module-V: Analysis of Business Firm and Profit

Characteristics of a business firm, objectives of business firm: profit maximization, sales revenue maximization, market share maximization, growth maximization. Profit concepts: Accounting and economic; break-even point and profit –volume analysis

References:

1. M L Seth : Micro Economics
2. M L Jhinguan: : Micro Economics
3. H L Ahuja: : Modern Micro Economics
4. Koutsainies; : Modern Micro Economics
5. Stonier and Hague : Micro Economics
6. Salvatore : Micro economics
7. Schaum Series : Micro economics
8. Pyndick : Micro economics
9. Gregory Mankiw : Principles of Micro Economics

KAKATIYA UNIVERSITY - WARANGAL - TELANGANA
Under Graduate Courses (Under CBCS 2020 – 2021 onwards)
B.A. ECONOMICS I Year
SEMESTER –II

PAPER – II MACRO ECONOMICS

(Discipline Specific Course)

Theory: 5 Hours/Week; Credits: 5 Marks: 100 (Internal: 20; External: 80)

Module– I: Introduction

Macro Economics – Concept of Circular Flow of Incomes –National Income Analysis: Concepts and Components – Methods of Measurement –Difficulties and Limitations in the Estimation of National Income.

Module– II: Theories of Income and Employment

Classical Theory of Income and Employment - Keynesian Theory of Income and Employment- Effective Demand – Consumption Function- Average Propensity to Consume (APC) and Marginal Propensity to Consume (MPC) – Factors Determining Consumption Function – Savings Function- Average Propensity to Save and Marginal Propensity to Save – Concepts of Multiplier and Accelerator

Module– III: Investment & Theories of Interest Rate

Capital and Investment- Types of Investment- Determinants of Level of Investment – Marginal Efficiency of Capital and Marginal Efficiency of Investment- Neo-Classical and Keynesian Theories of Interest.

Module – IV: Supply of Money & Demand for Money

Functions and Classification of Money – Money Supply – Measures of Money Supply with reference to India: M1, M2, M3 and M4 – Classical Theories of Money: Fisher's and Cambridge Versions of Quantity Theory of Money – Keynes' Theory of Money and Prices.

Module– V: Inflation & Trade Cycles

Inflation: Concept, Types, Causes and Measurement – Effects of Inflation – Measures to Control Inflation – Concepts of Phillips Curve, Deflation and Stagflation – Trade Cycles: Concept, Causes and Phases of trade cycle.

Reference Books:

- Ackley, G (1976) : Macro Economics: Theory and Policy, Macmillan, New York
Shapiro, E (1996) : Macro Economic Analysis, Galgotia Publications, New Delhi
Hansen A H (1953): A Guide to Keynes, McGraw Hill, New York
Keynes JM (1936) : The General Theory of Employment, Interest and Money,
MC Vaish : Macro Economic Theory
HL Ahuja : Macro Economic Theory & Policy
Vanitha Agarwal : Macro Economic Theory & Policy, Pearson Education
HL Ahuja : Macro Economic Analysis
Gupta, SB : Monetary Economics: Institutions, Theory and Policy
M.L. Seth : Macro Economics, Lakshmi Narain Agarwal, Agra, 2006

KAKATIYA UNIVERSITY - WARANGAL - TELANGANA
Under Graduate Courses (Under CBCS 2020 – 2021 onwards)
B.A. ECONOMICS II Year
SEMESTER – III

PAPER – III STATISTICS FOR ECONOMICS
(Discipline Specific Course)

Theory: 5 Hours/Week; Credits: 5 Marks: 100 (Internal: 20; External: 80)

Module– I: Introduction to Statistics

Meaning and Basic Concepts of Statistics – Population and Sample, Frequency Distribution, Cumulative Frequency – Graphic and Diagrammatic Representation of Data –Types of Data: Primary and Secondary Data –Methods of Collecting Data: Census and Sampling Methods (Random, Non-random Sampling Methods)

Module– II: Measures of Central Tendency and Dispersion

Measures of Central Tendency: Mean, Median, Mode, Geometric Mean and Harmonic Mean – Properties of Good Average – Comparison of Different Averages –Measures of Dispersion – Absolute and Relative Measures of Dispersion: Range, Quartile Deviation, Mean Deviation, Standard Deviation, Coefficient of Variation and Variance

Module– III: Correlation and Regression

Correlation: Meaning and Types – Karl Pearson's Correlation Co-efficient – Spearman's Rank Correlation –Regression: Meaning and Uses of Regression.

Module– IV: Index Numbers

Meaning and Uses – Aspects and Difficulties in the Construction of Index Numbers - Types of Index Numbers –Methods of Index Numbers - Laspayer, Paasche and Fisher.

Module– V: Analysis of Time Series

Meaning and Uses – Components of Time Series Analysis: Secular, Seasonal, Cyclical and Irregular Variations – Methods of Measurement of Secular Trends: Graphic, Semi-Averages, Moving Averages.

Reference Books:

- Allen, RGD : Mathematical Analysis for Economists, Macmillan Press, London.
Bhardwaj RS : Mathematics for Economics and Business, Excel Books, New Delhi
Bose : Mathematics for Economics, Himalaya Publishing, New Delhi
Chiang, AC : Fundamental Methods of Mathematical Economics McGraw Hill,
New Delhi Nagar & Das: Basic Statistics
S.P. Gupta : Statistical Methods, S. Chand & Co.,
G.S. Monga : Mathematics for Economists

KAKATIYA UNIVERSITY - WARANGAL - TELANGANA
Under Graduate Courses (Under CBCS 2020 – 2021 onwards)
B.A. ECONOMICS II Year
SEMESTER – IV

PAPER – IV INDIAN ECONOMY
(Discipline Specific Course)

Theory: 5 Hours/Week; Credits: 5 Marks: 100 (Internal: 20; External: 80)

Module I: Structure of the Indian economy:

Indian Economy at the time of Independence - Changes in the Composition of National Income and Employment - Natural Resource base - Land, Water, Forest, Mineral and Metal Resources - Population: Size, Growth and Composition and their implications for Indian economy.

Module II: Indian Agriculture:

Importance of Agriculture - Trends in Agricultural Production and Productivity. Land Reforms - Green Revolution - Agricultural Finance - Agricultural Marketing - Agricultural Price Policy - Food Security in India.

Module III: Indian Industry:

Importance of Industrialization - Trends in Industrial Production - Industrial Policy Resolutions - 1948, 1956, 1991 - Role of Public and Private Sectors - Formal and Informal Sectors in Industry.

Module IV: NIIT AAYOG:

Evolution of Planning Commission – Failures and Demise of planning commission - Genesis of NITI Aayog: structure and composition of NIIT Aayog, Functions and objectives of NIIT Aayog, Differences between NIIT Aayog and planning commission - NIIT Aayog role in strategic planning and development.

Module-V Service Sector and Economic Reforms:

Concept, Components, Trends and Role of Service Sector - Infrastructural Development-Transport, Banking, Insurance, and Information Technology - Economic Reforms-Liberalization, Privatization, and Globalization- A critical evaluation.

References:

- | | |
|----------------------|---|
| 1. SK Misra and Puri | : Indian Economy, Himalaya Publishing House. |
| 2. Ishwar C Dhigra | : The Indian Economy: Environment and Policy, SC Chand & Sons, New Delhi |
| 3. KPM Sundaram | : Indian Economy |
| 4. PK Dhar | : Growing Dimensions of Indian Economy, Kalayani Publisher. |

B.A. (ECONOMICS) SYLLABUS
Semester – V
Discipline Specific Elective

Paper -V (A)
AGRICULTURAL ECONOMICS-

Module-I

Nature and scope of agricultural economics - Factors affecting agricultural development, technological, institutional and general -Interdependency between agriculture and industry.

Module-II

Concept of production function: input and product relationship in farm production. Resource use and efficiency - Production function analyses in agriculture - Factor combination and resource substitution.

Module-III

Growth and productivity in Indian agriculture - Recent trends in agricultural growth in India Agrarian reforms and their role in economic development - Inter-state variations in growth of output and productivity; cropping pattern shifts - Supply of inputs - Pricing of inputs and role of subsidies.

Module-IV

Systems of farming - farm size and productivity relationship in Indian Agriculture - New agriculture strategy and Green revolution and its impact.

Module-V

Emerging trends in production - processing, marketing and exports, Policy controls and regulations relating to industrial sector with specific reference to agro-industries in agri-business enterprises

Reference Books:

1. Sadhu An, Singh Amarjit and Sing Jasbir (2004) Fundamental of Agriculture Economics, Himalaya Publishing House, Delhi.
2. Lekhi RK and Sigh Joginder, Agriculture Economics, Kalyani Publishers.
3. Government of India (1976) , Report of the National commission on Agriculture, New Delhi
4. Bilgrami, S.A.R. (1996) Agriculture Economics Himalaya Publishing House, Delhi.
5. Dantwala, M.L. et al (1991) Indian Agriculture Development since Independence, Oxford& IBH, New Delhi.


Chairperson
BOARD OF STUDIES
DEPARTMENT OF ECONOMICS
KAKATIYA UNIVERSITY
WARANGAL-506 005. (T.S.)

B.A. (ECONOMICS) SYLLABUS
Semester - V
Discipline Specific Elective

Paper – V (B)
PUBLIC ECONOMICS

Module - I: Introduction

Meaning and importance of Public finance -Evolution of public finance. Multiple theories of public household-Public and Private goods-Markets mechanism in public and private goods. State as an agent of planning and development

Module- II: Public Expenditure

Theories of public expenditure- Wagner' s law of increasing state activities – Peacock Wisemans hypothesis- Principle of Maximum Social advantage –Growth and pattern of public expenditure, Effects of public expenditure-Cost benefit analysis.

Module- III: Taxation & Public Debt

Approaches to taxation- Benefit approach, Ability to pay approach and Neutrality approach- Elasticity and buoyancy of taxation-incidence and shifting of taxation-Types and classification of taxes and VAT, Approaches to public debt.

Module- IV: Fiscal Policy & Federal Finance

Definition of fiscal policy and its objectives; Fiscal Policies for redistribution of income and wealth and stabilization – fiscal policies in a developing country, federal financial structure and its main features – Direct taxes-Income tax-Corporate tax. Indirect tax structure- –GST

Module- V: Budget

Budget – Classification of budgets –Economic, Functional, organizational, classification of budgets- performance programming and zero based budgets- surplus, balanced and deficit budgets- Concepts of budget deficit and their implications – State and Central budgets. Fiscal crisis and Fiscal sector reforms in India

References

1. Atkinson, A Band J.E Siglitz (1980) : Lecturers on Public Economics, Tata McGraw Hill, New York.
2. Auerbach, A J and M. Feldson (Eds.) (1985): Handbook of Public Economics, Vol. 1, North Holland, Amsterdam.
3. Buchanan, J M (1970): The Public Finances, Richard D Irwin, Homewood.
4. Goode, R (1986): Government Finance in Developing Countries, Tata McGraw Hill, New Delhi.
5. Houghton, J M (1970): The Public Finance: Selected Readings, Penguin, Harmondsworth.
6. Jha, R (1998): Modern Public Economics, Routledge, London.
7. Menutt, P (1996): The Economics of Public Choice, Edward Elgar, U.K.
8. Musgrave, R A and P.B. Musgrave (1976): Public Finance in Theory and Practice, McGraw Hill, Kogakusha, Tokyo.
9. S K Singh Public Economics
10. Om prakash Public Economics

Clearance
B.A. (ECONOMICS) SEMESTER - V
DISCIPLINE SPECIFIC ELECTIVE
PAPER - V (B)
PUBLIC ECONOMICS

B.A. (ECONOMICS) SYLLABUS
Semester - VI
Discipline Specific Elective

Paper –VI (A) INTERNATIONAL ECONOMICS

Module - I: Theories of International Trade:

Theories of absolute advantage, comparative advantage and opportunity costs; Theorem of factor price equalization; - Heckscher - Ohlin theory of trade, Leontief Paradox.

Module - II: Trade and Growth

Gains from Trade.-Trade as an Engine of Economic Growth. Concepts of Terms of Trade- Factors affecting Terms of Trade- Singer-Prebisch secular deterioration of Terms of Trade.

Module- III: Tariff and Non-Tariff Barriers to Trade

The basic analysis of Tariffs, Quotas, Protection and Imperfect Competition, Optimum tariff. Customs unions, trade barriers, Arguments for and against a Tariff.

Module- IV: Balance of Payments


Concepts and Components of BOP, Equilibrium and disequilibria in Balance of payments, Types of Disequilibria. Remedial measures to control disequilibrium. Causes of Devaluation. Direction and Composition of Foreign trade, Export and Import Policies of India.

Module – V: Internal Factor movements

International Movement of labor, international lending and world debt crisis, Foreign Direct Investment.

References:

1. Soderston B (1990): International Economics, Macmillan Press Ltd. London
2. Kindle Berger C P (1986): International Economics RD Irwin Concepts wood
3. Vaish MC&Sudhama Singh (2000): International Economics, Himalaya Publishing House, New Delhi
4. Francis Cherunilam: International Economics 4th Edition
5. Mithani DM (2000): International Economics, Himalaya, Mumbai
6. Desai:International Economics, Himalaya, New Delhi.


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DEPARTMENT OF ECONOMICS
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B.A. (ECONOMICS) SYLLABUS
Semester - VI
Discipline Specific Elective

Paper –VI (B) DEVELOPMENT ECONOMICS

- Module- I: Economic Development and Growth:**
Concepts of Economic Growth and Development- Measurement of Economic Development: Per Capita Income, Basic Needs, Physical Quality of Life Index, Human Development Index and Gender Empowerment Measure. Role of State and Market in Economic Development
- Module- II: Factors in Economic Development:**
Factors effecting Economic Development-Characteristics of developing Countries- Population and Economic Development - Theories of Demographic Transition. Human Resource Development and Economic Development
- Module- III: Theories of Economic Development:**
Lewis, Rodan, Nurkse's Balanced Growth Strategy, Hirsch man's Un-balanced Growth Strategy.
- Module- IV: Investment Criteria**
Choice of Techniques – Capital, labour and appropriate technology – Allocation of resources – Investment Criteria – Role of labour orientation methods in the development of third world countries – Role of capital formation in developing countries - Role of Technology in Economic Development.
- Module V :** Financing Economic Development External resources - FDI, Foreign aid vs. trade, technology inflow, MNC activity in developing countries; Borrowings - domestic and external; Burden of borrowing - IMF and World Bank.

References:

- | | |
|-------------------------|---|
| 1. Mier, Gerald, M | : Leading issues in Economic Development, OUP, Delhi |
| 2. Todaro, Micheal P | : Economic Development in the third world, Orient Longman, Hyderabad |
| 3. Ghatak Subrata | : Introduction to development economics |
| 4. Sukumoy chakravarthi | : Development Planning- ndian Experience, OUP, Delhi |
| 5. Misra &Puri | : Economic Development and Planning, Theory and practice |

B.A Political Science
I st Semester
Paper - I
Understanding Political Theory

Unit- I Political Theory

- What is Political Theory, Evolution, Nature , Significance
- Debates on Political Theory
 - a) Normative b) Contemplative c) Explanatory

Unit-II What is Political?

- State: Theories of origin of the state, Divine, Social Contract, Evolution Theories
- Power and Authority
- Authoritative allocation of Values
- Sovereign state : Challenges

Unit- III Political Values and Theoretical Perspective

- Liberty :- A) Liberal B) Marxist C) Feminist
- Equality :- A) Liberal B) Marxist C) Feminist
- Justice :- A) Liberal B) Marxist C) Feminist

Unit-IV Political Ideologies

- Liberalism
- Nationalism
- Multiculturalism

Unit-V Political Institutions and Functions

- Legislature, Executive and Judiciary
- Political Parties, Pressure Groups, Media

Reading list : -

1. Rajeev Bhargava & Ashok Acharya , editions , Political Theory : An Introduction , Pearson ,2019
2. Sushila Ramaswamy, Political Theory : Ideas and Concept , PHI Learning Pvt , Ltd .2015
3. O.P. Gauba, An Introduction to Political Theory , Macmillan, 2019
4. Michael G. Roskin , Robert L. Cord, James A. Medeiros , Walter S. Jones , Political Science : An Introduction , Pearson ,2018
5. Hoveyda Abbas , Ranjay Kumar , Political Theory , Pearson ,2019
6. John Hottman , Paul Graham , Introduction to Political Ideologies , Pearson ,2014
7. A. Appadorai, (2000), *Substance of Politics*, Oxford University Press, New Delhi, India.
8. George H Sabine, Thomas L Thorson, (1973), A History of Political Theory, Oxford & IBH Publishing Co., New Delhi.
9. Heywood, Andrew, (2012) Political Ideologies: An Introduction, Palgrave Macmillan, UK.
10. Heywood, Andrew, (2013), Politics, Palgrave Macmillan (UK).
11. Leon P. Baradat, (2011), Political Ideologies, Routledge.
12. Michael Freeden, Lyman Tower Sargent, Marc Stears,(eds) (2013), The Oxford Handbook of Political Ideologies, Oxford University Press, UK.
13. Ernest Barker : Principles of Social and Political Theory (London , Oxford University Press 1951)
14. Norman P. Barry : An Introduction to Modern Political Theory (London Macmillan, 1989)
15. Richard Bellamy (ed) : Theories and Concepts of Politics (New York , Manchester University Press 1993.)
16. Anthopny H. Birch : The Concepts and Theories of Modern Democracy (London , Routledge ,2001)
17. Martin Carnoy : The State and Political Theory (Princeton , Princeton University Press , 1984)

B.A Political Science
II st Semester
Paper - II
Western Political Thought

Unit- I Greek Political Thought

- Greek Political Thought – Sophists
- Plato:- Concept of Justice , Ideal State , Education and Communism.
- Aristotle :- Forms of Governments, On revolution , Slavery , Best state

Unit- II : Medieval and Early Modern Thought

- Thomas Aquinas :- Theory of Laws, Christianized Aristotle
- Church – State Controversy
- Niccolo Machiavelli – Human Nature , StateCraft

Unit- III Social Contractualists

- Thomas Hobbes :- Individualism and Absolute (State) Sovereignty
- John Locke :- Natural Rights Limited Government
- J. J. Rousseau :- Romanticism, General will , Popular Sovereignty

Unit- IV : Utilitarian Thought

- Jeremy Bentham :- Utilitarian Principles; Hedonism
- J. S. Mill :- On liberty , Representative Government

Unit- V : Philosophy of Dialectics


- G.W. F. Hegal :- Dialectics Purpose of History Geist (Spirt) and State
- Karl Marx:- Historical Materialism, Class war and Revolution.

Reading list :

1. . D.Mackenzie Brown, (1959), Indian Political Thought from Manu to Gandhi., University of California Press, Berleley and Los Angeles.
2. George Klosko, (eds), (2011), The Oxford Handbook of The History of Political Philosophy, Oxford University Press, New York.
3. Gregory Claeys, (eds)(2013), Encyclopedia of Modern Political Thought, Sage Publication, New Delhi.
4. M.P.Singh and Himanshu Roy, (eds), (2011), Indian Political Thought: Themes and Thinkers, Pearson, New Delhi.
5. N.D.Arora and S.S.Awashthy, (2007), Political Theory and Political Thought, Har-Anand Publications, New Delhi.
6. S.K.Sarma and Urmila Sharma, (2006), Western Political Thought (from Plato to Burke), Atlantic Publishers, New Delhi.
7. Subrata Mukherjee & Sushila Ramaswamy, (2011), A History of Political Thought,: Plato to Marx, PHI Learning Private Limited, New Delhi.
8. Thomas Pantham, Kenneth L. Deutsch, (1986), Political Thought in Modern India, Sage Publication, New Delhi.

B.A Political Science
III rd Semester
Paper - III
Indian Political Thought


- Unit- I State and Society in Ancient India
- Manu – Features of Manusmriti, Origins of Varna, Varna Dharma
 - Buddha – Dhamma , Sangha , Eightfold path
 - Kautilya- Saptanga Theory , Mandala Theory , Statecraft
- Unit-II Medieval Political Thought
- Basava- Anubhava Mantapa , Gender Equality
 - Ziauddin Barani- Theory of Kingship (Ideal Sulthan) , Ideal Polity
- Unit- III RenaissanceThought
- Raja Ram Mohan Roy - Colonial Encounters , Brahma Samaj
 - Jyothi Rao Phule- Gulam Giri , Satya Shodhak Samaj , Education
- Unit-IV Reformist Thought
- M. K. Gandhi – Satyagraha , Trusteeship , Problem of Political Obligation
 - Dr. B. R. Ambedkar- Who are Shudras ? , Annihilation of Caste
- Unit-V Socialist Thought
- M.N. Roy- Radical Humanism
 - Jawaharlal Nehru- Democratic Socialism
 - R.M. Lohia – Concept of Four Pillars of State(Chaukhamba Model)


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IV th Semester
Paper - IV
Constitution and Politics of India

- Unit- I Constitutional Development in India
- Brief overview of Nationalist Movement
 - Evolution of Indian Constitution -1909 Act ,1919 Act ,1935Act.
 - Philosophical Foundations of the Indian Constitution – Liberal, Gandhian, Socialist
- Unit- II : Institutional Framework
- Union Government – Executive; Legislature; Judiciary
 - State Government - Executive; Legislature; Judiciary
- Unit- III Federal Politics
- Union- State Relations : Legislative, Administrative, Financial
 - Recent trends in Union - State Relations
- Unit- IV : Electoral Politics in India
- Political Parties a) National : INC, BJP, CPM, BSP
 - b) Regional : DMK, Akali Dal, TDP, TRS
 - c) Recent Trends in Party System
 - Election Commission & Electoral Reforms
- Unit- V : Issues in Indian Politics
- Debates on Secularism – Majority Communalism, Minority Communalism
 - Caste in Politics and Politicization of caste
 - Gender in Indian Politics
 - Issues of Minorities – Sachar Committee

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B.A Political Science
Vth Semester
Paper- V (A)
International Relations

| | |
|-----------|--|
| Unit- I | International Relations – Nature , Evolution and Scope; State and Non- State Actors in IR , Westphalian State and Sovereign State system and its characteristics |
| Unit-II | European conquest of Asia and Africa – Its Impact on society, culture, economy (European colonialism)First World War and Second World War Decolonization and its consequences ; Rise of the Developing world ;Neo- colonialism |
| Unit- III | Cold War ;Détente ; End of the Cold War ;Disintegration of the Soviet Union ; American Hegemony |
| Unit-IV | India's Foreign Policy: Determinants; features; Non- Alignment |
| Unit-V | India's Relations with USA; China; Pakistan; Sri Lanka and Nepal |


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B.A Political Science

VI th Semester

Paper – VI (A)

Global Politics

| | |
|-----------|---|
| Unit- I | Power , Elements of Power , Balance of Power ,Growing importance of Soft Power |
| Unit-II | Security, Collective Security, Bipolarity , Multipolarity, Unipolarity |
| Unit- III | Human Rights; Agencies of human Rights Protection; Terrorism , Environmental Issues |
| Unit-IV | World Bank and IMF; UNCTAD; North – South Dialogue and South – South Co- operations; WTO |
| Unit-V | Disarmament, Arms Race , Arms control , NPT, CTBT, MTCR Proliferation of Small Arms, WMDs |

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B.A Political Science
VI th Semester
Paper- VI (B)
Social Movements

- Unit- I Introduction to Social Movements: Meaning, Nature, Significance.
Rise of Social Movements
Issues in Social Movements: Depravation, Identity, Justice, Assertion
- Unit-II Social Reform Movements
Anti- Brahmin Movement: Ramaswamy Naicker, Naryana Guru
Backward Class movements in Andhra Pradesh , Telangana and Tamil Nadu
Women's Movement
- Unit- III Agrarian Movements
Bharat Kisan Union
Shetkari Sanghatana
Karnataka Rajya Ryt Sangha
- Unit-IV Environmental Movements
Chipko Movement
Narmada Bacho Andholan
- Unit-V Assertion Movements
Adivasi Movement: Jharkhand
Dalit Movements in Maharastra, Telangana and Andhra Pradesh
Naxalite Movement: Andhra Pradesh, Telangana and Chhattisgarh



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BA 203 Semester-H: Development Dynamics and Emerging Trends

Module-I: Comparative & Development Administration

- a. Comparative Administration
- b. Development Administration
- c. Changing Dynamics of Development Administration

Module-II: Emerging Trends-I

- a. New Public Administration - Minnowbrook-I
- b. New Public Administration - Minnowbrook-II
- c. New Public Administration - Minnowbrook-III

Module-III: Market Theories

- a. Public Choice Approach
- b. New Public Management

Module-IV: Emerging Trends-I

- a. Public Policy and Governance
- b. Role of Public Services in the Emergence and Development of New State of Telangana

Module-V: Emerging Trends-II

- a. Globalization and Public Administration
- b. Present Status of Public Administration in the context of Globalization

Expected Outcomes

After study of the Course-1, the learner should be able to:

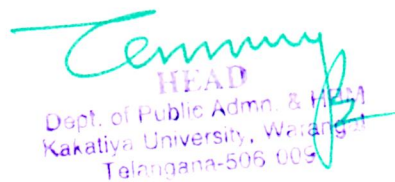
- Appreciate the nature, scope and changing paradigms of Public Administration;
- Understand the synthesizing nature of knowledge of public administration from public perspective;
- Grasp the administrative theories, concepts and principles to make sense of administrative practices.


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Telangana-506 009

References

- Ali Farazmand (2001) Handbook of Comparative and Development Public Administration, Merrell Dekker, New York.
- Arora, Ramesh K. (1996) Comparative Public Administration, Associated Publishing House, Agra.
- Esmon, Mijton J. (1970) CAG and the Study of Public Administration in F.W. Riggs (ed) The Frontiers of Development Administration (pp. 41-71), Durham, North Carolina; Duke University Press.
- Heady F. (1996) Public Administration: A comparative perspective (5th ed.) New York: Marcel Dekker.
- Hoshiar Singh and Pardeep Sachdeva (2012) Public Administration: Theory and Practice, Pearson, Delhi.
- Montgomery, J. (1966) Approaches to development politics, administration and change, New York, McGraw Hill.
- Pai Panandikar, V.A. (1964) Development Administration: An Approach, Indian Journal of Public Administration, 10 (1), pp. 34-44.
- Raphaeli, N. (1967) Readings in comparative public administration, Boston, Massachusetts: Allyn and Bacon.
- Riggs F.W. (1956) Public Administration: A neglected factor in economic development. Annals of the American Academy of Political and Social Sciences, No. 305, Agrarian Societies in Transition, (May 1956), 70-80.
- Riggs F.W. (1970) The ecology of administration, Bloomington: Indiana University.
- Swerdlow, I. (1963) (ed). Development Administration: Concepts and Problems, Syracuse, New York: Syracuse University Press.
- Telugu Akademi (2016) BA. 1st Year Public Administration.
- W.E. Weidner, (ed) (1970), Development Administration in Asia, Durham, North Carolina; Duke University Press.
- Waldo D (1963) Comparative Public Administration: Prologue, Performance and Problems, Indian Journal of Political Science, 24 (3), pp. 177-216.
- Weidner, W.E. (1970a) (ed) Development Administration in Asia, Durham, North Carolina; Duke University Press.


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BA II Year

Semester III : Indian Administration

The Objectives of the Course are:

1. To understand the historical evolution and socio-economic, political, cultural and global context of Indian Administration;
2. To identify the transformative role of Indian Administration;
3. To make out the multi-dimensionality of problems and processes of Indian Administration;
4. To understand the form and substance of Indian Administration; and
5. To appreciate the emerging issues in Indian Administration in the context of changing role of state, market and civil society.

DSC 303 : Union Administration

Unit- I: Historical Background

- a. Evolution of Indian Administration
- b. Indian Administration after Independence: Continuity and Change
- c. Indian Constitutional Moorings and Administration.

Unit- II: Union Administration: Structure and Processes

- a. Political Executive at Central Level
 - i) President
 - ii) Prime Minister
 - iii) Council of Ministers
- b. Central Secretariat and other Offices

Unit-III: Centre-State Relations

- a. Centre-State Administrative Relations
- b. Central Personnel Agencies-All India Services

Unit-IV: Constitutional and Other National Bodies

- a. Union Public Service Commission
- b. (i) Election Commission; (ii) Comptroller and Auditor General of India (C&AG)
- c. NITI Aayog

Unit-V: Public Enterprises in India

- a. Forms of Public Enterprises - Department, Corporation, Company
- b. Performance and Disinvestment

References:

- Bidyut Chakravarty, Prakash Chand (2019), Indian Administration: Evolution and Practise, Sage Publications
- Krishna K.Tummala (1996), Public Administration in India, Allied Publishers Limited.
- Kuldeep Mathur (2019), Recasting Public Administration in India: Reform, Rhetoric, and Neoliberalism, Oxford University Press
- M.Sharma (2004), Indian Administration, Anmol Publishers.
- Meredith Townsend (2019), The Annals of Indian Administration, Volume-3, Creative Media Partners.
- Parmar, A., A Study of Kautilya's Arthashastra, Delhi, Atma Ram & Sons, 1987
- Radha Krishna Sapru (2019), Indian Administration: Foundations of Governance, Sage Publications.
- Ramesh K Arora, Rajni Goyal (2018), Indian Public Administration: Institutions and Issues, New Age International Publishers.
- S.R.Maheswari (2004), Indian Administration, Orient Longman Publishers Limited.
- Siulu Sarkar (2018), Public Administration in India (Second Edition), PHI Learning Private Limited.
- Vaman Govind Kale (2010), Indian Administration, Kessinger Publications.
- P.D. Sharma and B.M. Sharma (2009) Indian Administration: Retrospect and Prospect, Rawat Publications.

Semester-IV: DSC 403: State Administration

Unit-I: State Administration: Structure and Processes

- a. Administrative History of Telangana
- b. Political Executive at State Level, Governor & Chief Minister

Unit-II: State Administrative Mechanisms

- a. State Secretariat & Directorates
- b. Local Governance & District Administration in Telangana

Unit- III: Emerging Issues

- a. Administrative Reforms: Need and Importance
- b. 2nd Administrative Reforms Commission – Features and Recommendations

Unit-IV: Technology and Integrity in Government

- a. e-Government
- b. Values and Ethics in Administration

Unit-V: Control over Administration

- a. Redressal of Citizen Grievances: Transparency, Accountability and Right to Information Act
- b. Administrative Accountability: Legislative and Judicial Control

Expected Outcomes

After study of the course, the learner should be able to:

- discern the connects and disconnects between structure, purpose and process and results in Indian Administration;
- Understand the Indian Administration role as the main instrument of State to achieve its developmental goals;
- Appreciate the varying historical, socio-economic, political and other conditioning factors that gave Indian Administration its distinct nature to the learner

References:

- Bidyut Chakravarty, Prakash Chand (2019), Indian Administration: Evolution and Practise, Sage Publications
- Krishna K.Tummala (1996), Public Administration in India, Allied Publishers Limited.
- Kuldeep Mathur (2019), Recasting Public Administration in India: Reform, Rhetoric, and Neoliberalism, Oxford University Press
- M.Sharma (2004), Indian Administration, Anmol Publishers.
- Meredith Townsend (2019), The Annals of Indian Administration, Volume-3, Creative Media Partners.
- Parmar, A., A Study of Kautilya's Arthashastra, Delhi, Atma Ram & Sons, 1987
- Radha Krishna Sapru (2019), Indian Administration: Foundations of Governance, Sage Publications.
- Ramesh K Arora, Rajni Goyal (2018), Indian Public Administration: Institutions and Issues, New Age International Publishers.
- S.R.Maheswari (2004), Indian Administration, Orient Longman Publishers Limited.
- Siuli Sarkar (2018), Public Administration in India (Second Edition), PHI Learning Private Limited.
- Vaman Govind Kale (2010), Indian Administration, Kessinger Publications.

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Under Graduate Courses (Under CBCS 2019–2022)
B.A. PUBLIC ADMINISTRATION III YEAR
SEMESTER – V

PAPER – DSE 503 (A): HUMAN RESOURCE MANAGEMENT

5 Hours/Week Credits: 5 Marks: 100 (Internal: 20; External: 80)

The Objectives of the Course are :

1. To comprehend the nature, scope, structure & processes of human resource management;
2. To identify the systems and processes of financial and material management;
3. To appreciate institutional capacity building strategies and programmes; and
4. To understand the changing paradigms of Resources management.

Unit-I: Introduction

- a. Meaning and Significance of Human Resource Management
- b. Human Resource Planning

Unit-II: Human Resources

- a. Job Analysis, Job Description,
- b. Recruitment and Promotion
- c. Compensation Administration - Wage, Pay and Pay Commissions

Unit- III: Capacity Building

- a. Performance and Competency Mapping System
- b. Employee Capacity Building Strategies-Training
- c. Sensitivity Training

Unit-IV: Reforms

- a. Reddressal of Employee Grievances
- b. Right sizing, Outsourcing and Consultancies
- c. Interpersonal Skills

Unit V: Emerging Trends

- a. Human Resource Audit
- b. Total Quality Management
- c. Productivity Management

References:

- Armstrong, Michael (2007), A Handbook of Human Resource Management Practice, Kogan Page, London.
- Aswathappa K. (2013), Human Resource Management: Text and Cases, McGraw Hill, New Delhi
- Farazmand, Ali (1994), Handbook of Bureaucracy, Taylor & Francis, New York. Flippo Edwin B., (1976), Principles of Personnel Management, McGraw-Hill
- Goel, S.L.& Rajneesh, Shalini(2003), Public Personnel Administration, Deep & Deep, Delhi Government of India, Second ARC, Tenth Report on 'Refurbishing of Personnel Administration'
- Jack Robin, et al (eds) (1994), Handbook of Public Personnel Administration, Taylor & Francis, NY Jain, R.B.(1994), Aspects of Personnel Administration, IIPA, New Delhi
- Maheswari Sriram (2005), Public Administration in India: The higher Civil Service, Oxford University Press, New Delhi
- Naff, Katherine C., Norma M. Riccucci, (2014), Personnel Management in Government: Politics and Process (Seventh Edition), CRC, Taylor & Francis, New York.
- Riccucci, Norma (2007), Public Personnel Administration and Labor Relations, M.E. Sharpe, NY


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Under Graduate Courses (Under CBCS 2019–2022)
B.A. PUBLIC ADMINISTRATION III YEAR
SEMESTER – VI

PAPER DSE 603 (A):: FINANCIAL AND MATERIAL MANAGEMENT

5 Hours/Week Credits: 5 Marks: 100 (Internal: 20; External: 80)

Unit- I: Financial Management

- a. Meaning and Scope
- b. Importance of Financial Management

Unit-II: Budget

- a. Concept and Principles of Budget
- b. Preparation, Enactment and Execution of Budget
- c. Gender Budget and Green Budget

Unit-III: Financial Institutions

- a. Organization and Functioning of Finance Ministry
- b. Finance Commission
- c. Union – State Financial Relations

Unit IV: Parliamentary Financial Committees

- a. Financial Control Mechanisms
- b. Public Accounts Committee and Estimates Committee
- c. Committee on Public Undertakings

Unit- V: Materials Management

- a. Meaning and Concept of Materials Management
- b. Procurement, Storage and Distribution
- c. Inventory Control and Management


Expected Outcomes

After study of the course, the learner should be able to:

- Understand the way in which the public power is exercised and public resources are managed and expanded;
- Unravel the varying methods of performance assessment of public institutions; and
- Appreciate the changing paradigms of human resource management.

References:

- Brigham Eugene F. (2011), Financial Management : Theory and Practice, Cengage Learning Government of India, Second Administrative Reforms Commission, Fourteenth Report, Strengthening Financial Management, Systems, April 2009.
- L.K.Jha (1986), Economic Administration in India – Retrospect and Prospect, New Delhi: IIPA Lee Robert D. Jr., et al (Eds) (2007), Public Budgeting Systems, Jones & Bartlett Learning.
- Mahajan Sanjeev Kumar Mahajan (2014), Financial Administration in India, PHI, Delhi Mikesell, John (2010), Fiscal Administration, Cengage Learning.
- R.K. Lekhi and Joginder Singh(2013), Public Finance, Kalyani Publishers, New Delhi.
- Rabin Jack, et.al (2006) Handbook of Public Financial Management, Taylor & Francis Group. Sharma M.K. (2006), Financial Administration, Anmol Publications, New Delhi.
- Steppan J. Beiley (1995), Public Sector Economics: Theory, Policy and Practice, London Wang Xiaohu (2010), Financial Management in the Public Sector, M. E. Sharpe.


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B.A. PUBLIC ADMINISTRATION III YEAR
SEMESTER – VI

PAPER – DSE 603 (B):: URBAN GOVERNANCE

5 Hours/Week Credits: 5 Marks: 100 (Internal: 20; External: 80)

Unit-I: Local Organisations for Urban Development

- a. Evolution of Urban Local Bodies- Pattern, Functions and Performance
- b. Constitutional Status of Urban Local Governments with special reference to 74th CAA

Unit-II: Strategies for Urban Development

- a. Urban Development: Strategies, Programs and Issues
- b. Finances of Urban Local Governments

Unit-III: Urban Services

- a. Basic Services and Welfare Measures in Urban Areas
- b. Urban Development Authorities and Parastatals
- c. Sustainable Development and Future of Urban Governance

Unit-IV: Agencies and Programs for Rural and Urban Sector

- a. Development Planning, District Planning Committee
- b. Special Agencies Urban Development
- c. Elimination of Poverty Initiatives in Urban Areas

Unit V: Emerging Trends

- a. Urban Reforms in India: SMART and AMRUT Cities
- b. Swachh Bharat Mission
- c. Urban Unrest

Expected Outcomes

After study of the course, the learner should be able to:

- Critically appreciate the relationship of local governance and development;
- Appreciate the rural and urban institutional arrangements for development;
- Understand the processes and results of systems of delivery of welfare programmes

References:

- Aziz Abdul (ed.), (1996), Decentralised Governance in Asian Countries, Sage New Delhi.
Baud, Isa S A, J De Wit (2009), New Forms of Urban Governance in India: Shifts, Models, Networks and Contestations, SAGE Publications.
Bhattacharya, Mohit (1976), Management of Urban Government in India, Uppal, New Delhi
Burns, Danny et. al. (1994), The Politics of Decentralisation: Revitalizing Local Democracy Macmillan, London,
Chaturvedi T.N. and Abhijit Datta (1984), Local Government, IIPA, (New Delhi).
Devas Nick (2004) ,Urban Governance Voice and Poverty in the Developing World, Routledge. Maheshwari, S.R. (2003), Local Government in India, Lakshmi Narain Aggarwal, Agra.
Oakley Peter (1991), Projects with People: The Practice of Participation in Rural Development, I.L.O., Geneva.
Oakley Peter, et. Al (1984), Approaches to participation in Development, I.L.O., Geneva.
Pierre, Jon (2011), The Politics of Urban Governance: Rethinking the Local State, Palgrave MacMillan.
Prasad, R N(2007), Urban Local Self-Government in India ; With Reference to North-Eastern States, Mittal Publications.
Rao, C. Nagaraja (2007), Accountability of Urban Local Governments in India, Atlantic, New Delhi
Sivaramkrishnan K.C., et. al. (1993), Urbanisation in India: Basic Services and People's Participation, ISS, New Delhi.


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KAKATIYA UNIVERSITY

Under Graduate Courses (Under CBCS 2020 – 2021 onwards)

B.A. / B.Sc. Life Science II Year Computer Applications

SEMESTER – III

RELATIONAL DATA BASE MANAGEMENT SYSTEMS

Theory: 4 Hours/Week; Credits: 4 Marks: 100 (Internal: 20; External: 80)

Practical: 3 Hours/Week Credits: 1 Marks: 25

Unit-I

Basic Concepts: Database Management System, File based system, Advantages of DBMS over file based system, Database Approach, Logical DBMS Architecture, Three level architecture of DBMS or logical DBMS architecture, Need for three level architecture, Physical DBMS Architecture, Database Administrator (DBA) Functions & Role, Data files indices and Data Dictionary, Types of Database.

Relational and ER Models: Data Models, Relational Model, Domains, Tuple and Relation, Super keys, Candidate keys, Primary keys and foreign key for the Relations, Relational Constraints, Domain Constraint, Key Constraint, Integrity Constraint, Update Operations and Dealing with Constraint Violations, Relational Operations, Entity Relationship (ER) Model, Entities, Attributes, Relationships, More about Entities and Relationships, Defining Relationship for College Database, E-R Diagram, Conversion of E-R Diagram to Relational Database.

Unit-II

Database Integrity And Normalization: Relational Database Integrity, The Keys, Referential Integrity, Entity Integrity, Redundancy and Associated Problems – Single Valued Dependencies – Normalization, Rules of Data Normalization, The First Normal Form, The Second Normal Form, The Third Normal Form, Boyce Codd Normal Form, Attribute Preservation, Lossless, join Decomposition Dependency Preservation.

File Organization: Physical Database Design Issues, Storage of Database on Hard Disks, File Organization and Its Types, Heap files (Unordered files), Sequential File Organization – Indexed (Indexed Sequential) File Organization, Hashed File Organization, Types of Indexes, Index and Tree Structure.

Unit-III

Structures Query Language (SQL): Meaning – SQL commands, Data Definition Language, Data Manipulation Language – Data Control Language, Transaction Control Language Queries using Order by, Where, Group by, Nested Queries. Joins – Views – Sequences, Indexes and Synonyms, Table Handling.

Advanced SQL: Accessing SQL from a Programming Language, Functions and Procedures, Triggers, Recursive Queries.

Unit-IV

Transactions and Concurrency Management: Transactions, Concurrent Transactions, Locking Protocol, Serializable Schedules – Locks Two Phase Locking (2PL), Deadlock and its Prevention, Optimistic Concurrency Control.

Database Recovery and Security: Database Recovery meaning, Kinds of failures – Failure Controlling methods, Database errors, Backup & Recovery Techniques, Security & Integrity.

Text Book: Database Systems: R.Elmasri & S.B. Navathe, Pearson.

References:

1. Introduction to Database Management System: ISRD Group, McGraw Hill.
2. Database Management System: R.Ramakrishnan & J.Gehrke, McGraw Hill.
3. Modern Database Management: J.A.Hoffer, V.Rames & H.Topi, Pearson.

KAKATIYA UNIVERSITY

Under Graduate Courses (Under CBCS 2020 – 2021 onwards)

B.A. / B.Sc. Life Science II Year Computer Applications

SEMESTER – III

RELATIONAL DATA BASE MANAGEMENT SYSTEMS - LAB

Practical

3 Hours/Week

1 Credit Marks: 25

Note:

- Programs of all the Concepts from Text Book including exercises must be practice and execute.
- In the external lab examination student has to execute two programs with compilation and deployment steps are necessary.
- External Vice-Voce is compulsory.

1. Create a database having two tables with the specified fields, to computerize a library system of a University College.

Library Books (Accession number, Title, Author, Department, Purchase Date, Price),

Issued Books (Accession number, Borrower)

- a) Identify primary and foreign keys. Create the tables and insert at least 5 records in each table.
- b) Delete the record of book titled “Database System Concepts”.
- c) Change the Department of the book titled “Discrete Maths” to “CS”.
- d) List all books that belong to “CS” department.
- e) List all books that belong to “CS” department and are written by author “Navathe”.
- f) List all computer (Department=“CS”) that have been issued.
- g) List all books which have a price less than 500 or purchased between “01/01/1999” and “01/01/2004”.

2. Create a database having three tables to store the details of students of Computer Department in your college.

Personal information about Student (College roll number, Name of student, Date of birth, Address, Marks (rounded off to whole number) in percentage at 10 + 2, Phone number)

Paper Details (Paper code, Name of the Paper)

Student’s Academic and Attendance details (College roll number, Paper Code, Attendance, Marks in home examination).

- a) Identify primary and foreign keys. Create the tables and insert at least 5 records in each table.
- b) Design a query that will return the records (from the second table) along with the name of student from the first table, related to students who have more than 75% attendance and more than 60% marks in paper2.
- c) List all students who live in “Warangal” and have marks greater than 60 in paper1.
- d) Find the total attendance and total marks obtained by each student.
- e) List the name of student who has got the highest marks in paper2.

3. Create the following tables and answer the queries given below:

Customer (Cust ID, email, Name, Phone, Referrer ID)

Bicycle (Bicycle ID, Date Purchased, Color, Cust ID, Model No)

Bicycle Model (Model No, Manufacturer, Style) Service

(Start Date, Bicycle ID, End Date)

- a) Identify primary and foreign keys. Create the tables and insert at least 5 records in each table.
- b) List all the customers who have the bicycles manufactured by manufacturer "Honda".
- c) List the bicycles purchased by the customers who have been referred by Customer "C1".
- d) List the manufacturer of red colored bicycles.
- e) List the models of the bicycles given for service.

4. Create the following tables, enter at least 5 records in each table and answer the queries given below.

Employee (Person Name, Street, City)

Works (Person_Name, Company_Name, Salary)

Company (Company_Name, City)

Manages (Person_Name, Manager_Name)

- a) Identify primary and foreign keys.
- b) Alter table employee, add a column "email" of type varchar(20).
- c) Find the name of all managers who work for both Samba Bank and NCB Bank.
- d) Find the names, street address and cities of residence and salary of all employees who work for "Samba Bank" and earn more than \$10,000.
- f) Find the names of all employees who live in the same city as the company for which they work.
- f) Find the highest salary, lowest salary and average salary paid by each company.
- g) Find the sum of salary and number of employees in each company.
- h) Find the name of the company that pays highest salary.

5. Create the following tables, enter at least 5 records in each table and answer the queries given below.

Suppliers (SNo, Sname, Status, SCity)

Parts (PNo, Pname, Colour, Weight, City)

Project (JNo, Jname, Jcity)

Shipment (Sno, Pno, Jno, Qunatity)

- a) Identify primary and foreign keys.
- b) Get supplier numbers for suppliers in Paris with status>20.
- c) Get suppliers details for suppliers who supply part P2. Display the supplier list in increasing order of supplier numbers.
- d) Get suppliers names for suppliers who do not supply part P2.
- e) For each shipment get full shipment details, including total shipment weights.
- f) Get all the shipments where the quantity is in the range 300 to 750 inclusive.
- g) Get part nos. for parts that either weigh more than 16 pounds or are supplied by suppliers S2, or both.
- h) Get the names of cities that store more than five red parts.
- i) Get full details of parts supplied by a supplier in Hyderabad.
- j) Get part numbers for part supplied by a supplier in Warangal to a project in

Chennai.

- k) Get the total number of project supplied by a supplier (say, S1).
- l) Get the total quantity of a part (say, P1) supplied by a supplier (say, S1).

6. Write a PL/SQL Program to demonstrate Procedure.
7. Write a PL/SQL Program to demonstrate Function.
8. Write a PL/SQL program to Handle Exceptions.
9. Write a PL/SQL Program to perform a set of DML Operations.
10. Create a View using PL/SQL program.
11. Write a PL/SQL Program on Statement Level Trigger.
12. Write a PL/SQL Program on Row Level Trigger.

KAKATIYA UNIVERSITY
FACULTY OF SCIENCE
B.A./B.Sc. Life Science (Computer Applications)
SEMESTER – V
Programming in Java

| | | | |
|-----------|--------------|----------|---------------------|
| Theory | 4 Hours/Week | 4 Credit | Internal marks = 20 |
| Practical | 3 Hours/Week | 1 Credit | External Marks = 80 |

Unit - I

Introduction: Java Essentials, JVM, Java Features, Creation and Execution of Programs, Data Types, Structure of Java Program, Type Casting, Conditional Statements, Loops, Classes, Objects, Class Declaration, Creating Objects.

Unit - II

Method Declaration and Invocation, Method Overloading, Constructors – Parameterized Constructors, Constructor Overloading, Cleaning-up unused Objects. Class Variables & Method-static Keyword, this Keyword, One-Dimensional Arrays, Two-Dimensional Arrays, Command-Line Arguments, Inner Class.

Inheritance: Introduction, Types of Inheritance, extends Keyword, Examples, Method Overriding, super, final Keyword, Abstract classes, Interfaces, Abstract Classes Verses Interfaces.

Packages: Creating and Using Packages, Access Protection, Wrapper Classes, String Class, StringBuffer Class.

Unit - III

Exception: Introduction, Types, Exception Handling Techniques, User-Defined Exception.

Multithreading: Introduction, Main Thread and Creation of New Threads –By Inheriting the Thread Class or Implementing the Runnable Interface, Thread Lifecycle, Thread Priority and Synchronization.

Input/Output: Introduction, java.io Package, File Streams, FileInputStream Class, FileOutputStream Class, Scanner Class, BufferedInputStream Class, BufferedOutputStream Class, RandomAccessFile Class.

Unit - IV

Applets: Introduction, Example, Life Cycle, Applet Class, Common Methods Used in Displaying the Output (Graphics Class).

Event Handling: Introduction, Types of Events, Example.

AWT: Introduction, Components, Containers, Button, Label, Checkbox, Radio Buttons, Container Class, Layouts.

Swings: Introduction, Differences between Swing and AWT, JFrame, JApplet, JPanel, Components in Swings, Layout Managers, JTable.

Text Book:

1. Sachin Malhotra, Saurabh Choudhary, Programming in Java (2e)

References:

1. Bruce Eckel, Thinking in Java (4e)
2. Herbert Schildt, Java: The Complete Reference (9e)
3. Y. Daniel Liang, Introduction to Java Programming (10e)
4. Paul Deitel, Harvey Deitel, Java: How To Program (10e)
5. Cay S. Horstmann, Core Java Volume I –Fundamentals (10e)

Department of Computer Science, KU


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Chairperson, BOS
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Warangal- 506 009 (T.S.)
With Effect from the Academic Year 2019-2020

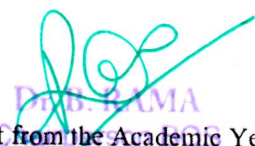
KAKATIYA UNIVERSITY
FACULTY OF SCIENCE
B.A./B.Sc. Life Science (Computer Applications)
SEMESTER – V
Programming in Java

Practical 3 Hours/Week 1 Credit Marks: 25

Note:

- Programs of all the Concepts from Text Book including exercises must be practice and execute.
 - Faculty must take care about UG Standard Programs.
 - In the external lab examination student has to execute two programs with compilation and deployment steps are necessary.
 - External Vice-Voce is compulsory.
1. Write a program to find the largest of n natural numbers.
 2. Write a program to find whether a given number is prime or not.
 3. Write a menu driven program for following:
 - a. Display a Fibonacci series
 - b. Compute Factorial of a number
 4. Write a program to check whether a given number is odd or even.
 5. Write a program to check whether a given string is palindrome or not.
 6. Write a program to print the sum and product of digits of an Integer and reverse the Integer.
 7. Write a program to create an array of 10 integers. Accept values from the user in that Array. Input another number from the user and find out how many numbers are equal to the number passed, how many are greater and how many are less than the number passed.
 8. Write a program that will prompt the user for a list of 5 prices. Compute the average of the prices and find out all the prices that are higher than the calculated average.
 9. Write a program in java to input N numbers in an array and print out the Armstrong numbers from the set.
 10. Write a java program that computes the area of a circle, rectangle and a Cylinder using function overloading.
 11. Write a Java program for the implementation of multiple inheritance using interfaces to calculate the area of a rectangle and triangle.
 12. Write a java program to create a frame window in an Applet. Display your name, address and qualification in the frame window.
 13. Write a java program to draw a line between two coordinates in a window.
 14. Write a java program to display the following graphics in an applet window.
 - a. Rectangles b. Circles
 - c. Ellipses d. Arcs e. Polygons
 15. Write a program that reads two integer numbers for the variables a and b. If any other character except number (0-9) is entered then the error is caught by NumberFormatException object. After that ex.getMessage () prints the information about the error occurring causes.
 16. Write a program for the following string operations:
 - a. Compare two strings b. concatenate two strings c. Compute length of a string

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KAKATIYA UNIVERSITY
Warangal- 506 009 (T.S.)

KAKATIYA UNIVERSITY
FACULTY OF SCIENCE
B.A./B.Sc. Life Science (Computer Applications)
SEMESTER – VI
Web Technologies

| | | | |
|-----------|--------------|----------|---------------------|
| Theory | 4 Hours/Week | 4 Credit | Internal marks = 20 |
| Practical | 3 Hours/Week | 1 Credit | External Marks = 80 |

Unit – I

Introduction To XHTML– Introduction, first HTML, Headings, Linking, Images, special characters and horizontal rules, Lists, Tables, Frames, Forms, internal linking, meta Elements.
Cascading Style Sheets – Introduction, Inline Styles, Embedded Style Sheets, Conflicting Styles, Linking external sheets, position Elements, box model and text flow, media types, building a CSS drop-down menu, user style sheets, CSS3.

Unit – II

Introduction To Java Scripting- introduction, simple program, prompt dialog and alert boxes, memory concepts, operators(arithmetic, relational, assignment, increment and decrement, logical), decision making, control structures, if... else statement, while, counter-controlled repetitions, switch statement, do... while statement, break and continue statements.

Unit – III

Functions – program modules in JavaScript, programmer–defined functions, functions definition, scope rules, global functions, Recursion. Arrays- introduction, declaring and allocating arrays, references and reference parameters, passing arrays to functions. Multidimensional arrays, Events – registering event handling, event onload, onmouseover, onmouseout, onfocus, onblur, onsubmit, onreset, event bubbling, more events.

Unit – IV

Java Script Objects – introduction to object technology, Math Object, String Object, Date Object, Boolean and Number Object, document and window Objects, using cookies.
XML - Introduction, XML Basics, Structuring Data, XML Namespaces, Document Type Definitions (DTDs), W3C XML Schema Documents, XML Vocabularies, Extensible Style sheet Language and XSL Transformations, Document Object Model (DOM).

Text Book:

1. Internet & World Wide Web: HOW TO PROGRAM- H. M. Deitel, P.J. Deitel, -Fourth Edition- Pearson edition.



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Department of Computer Science, KU

With Effect from the Academic Year 2019-2020

KAKATIYA UNIVERSITY
FACULTY OF SCIENCE
B.A./B.Sc. Life Science (Computer Applications)
SEMESTER – VI
Web Technologies Lab


Practical 3 Hours/Week 1 Credit Marks: 25

Note:

- Programs of all the Concepts from Text Book including exercises must be practice and execute.
- Faculty must take care about UG Standard Programs.
- In the external lab examination student has to execute two programs with compilation and deployment steps are necessary.
- External Vice-Voce is compulsory.

1. Write a HTML program using basic text formatting tags, <p>,
, <pre>.
2. Write a HTML program by using text formatting tags.
3. Write a HTML program using presentational element tags , <i>, <strike>, <sup>, <sub>, <big>, <small>, <hr>
4. Write a HTML program using phrase element tags <blockquote>, <cite>, <abbr>, <acronym>, <kbd>, <address>
5. Write a HTML program using different list types.
6. Create a HTML page that displays ingredients and instructions to prepare a recipe.
7. Write a HTML program using grouping elements <div> and .
8. Write a HTML Menu page for Example cafe site.
9. Write a HTML program using images, audios, videos.
10. Write a HTML program to create your time table.
11. Write a HTML program to create a form using text inputs, password inputs, multiple line text input, buttons, check boxes, radio buttons, select boxes, file select boxes.
12. Write a HTML program to create frames and links between frames.
13. Write a HTML program to create different types of style sheets.
14. Write a HTML program to create CSS on links, lists, tables and generated content.
15. Write a HTML program to create your college web site using multi column layouts.
16. Write a HTML program to create your college web site using for mobile device.
17. Write a HTML program to create login form and verify username and password.
18. Write a JavaScript program to calculate area of rectangle using function.
19. Write a JavaScript program to wish good morning, good afternoon, good evening depending on the current time.
20. Write a JavaScript program using switch case?
21. Write a JavaScript program to print multiplication table of given number using loop.
22. Write a JavaScript programs using any 5 events.
23. Write a JavaScript program using JavaScript built in objects.
24. Write a JavaScript program to create registration Form with Validations.
25. Write a XML Program to represent Student Data using DTD.
26. Write a XML Program to represent Data using XML Schema Definition.

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Programming in C Semester -I

| | | |
|-----------|--------------|----------|
| Theory | 4 Hours/Week | 4 credit |
| Practical | 3 Hours/Week | 1 credit |

Unit – I

Computer Fundamentals: Introduction of Computers, Classification of Computers, Anatomy of a Computer, Memory Hierarchy, Introduction to OS, Operational Overview of a CPU.
Program Fundamentals: Generation and Classification of Programming Languages, Compiling, Interpreting, Loading, Linking of a Program, Developing Program, Software Development.
Algorithms: Definitions, Different Ways of Stating Algorithms (Step-form, Pseudo-code, Flowchart), Strategy for Designing Algorithms, Structured Programming Concept.
Basics of C: Overview of C, Developing Programs in C, Parts of Simple C Program, Structure of a C Program, Comments, Program Statements, C Tokens, Keywords, Identifiers, Data Types, Variables, Constants, Operators and Expressions, Expression Evaluation—precedence and associativity, Type Conversions.

Unit – II

Input-Output: Non-formatted and Formatted Input and Output Functions, Escape Sequences,
Control Statements: Selection Statements – if, if-else, nested if, nested if-else, comma operator, conditional operator, switch; Iterative Statements—while, for, do-while; Special Control Statement—goto, break, continue, return, exit.
Arrays and Strings: One-dimensional Arrays, Character Arrays, Functions from ctype.h, string.h, Multidimensional Arrays.

Unit – III

Functions: Concept of Function, Using Functions, Call-by-Value Vs Call-by-reference, Passing Arrays to Functions, Scope of Variables, Storage Classes, Inline Functions, and Recursion.
Pointers: Introduction, Address of Operator (&), Pointer, Uses of Pointers, Arrays and Pointers, Pointers and Strings, Pointers to Pointers, Array of Pointers, Pointer to Array, Dynamic Memory Allocation.

Unit – IV


User-defined Data Types: Declaring a Structure (Union) and its members, Initialization Structure (Union), Accessing members of a Structure (Union), Array of Structures (Union), Structures versus Unions, Enumeration Types.
Files: Introduction, Using Files in C, Working with Text Files, Working with Binary Files, Files of Records, Random Access to Files of Records, Other File Management Functions.

Text

Pradip Dey, Manas Ghosh, Computer Fundamentals and Programming in C (2e)

References
BOOKS

Ivor Horton, Beginning C
Ashok Kamthane, Programming in C
Herbert Schildt, The Complete Reference C
Paul Deitel, Harvey Deitel, C How To Program
Byron S. Gottfried, Theory and Problems of Programming with C
Brian W. Kernighan, Dennis M. Ritchie, The C Programming Language
B. A. Forouzan, R. F. Gilberg, A Structured Programming Approach Using C



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KAKATIYA UNIVERSITY
WARANGAL-506002 (T.S.)

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C Lab Semester -I

Practical

3 Hours/Week


1 credit

- 1 Write a program to find the largest two (three) numbers using if and conditional operator.
- 2 Write a program to print the reverse of a given number.
- 3 Write a program to print the prime number from 2 to n where n is given by user.
- 4 Write a program to find the roots of a quadratic equation using switch statement.
- 5 Write a program to print a triangle of stars as follows (take number of lines from user):

```
      *
     ***
    *****
   ********
  **********
```
- 6 Write a program to find largest and smallest elements in a given list of numbers.
- 7 Write a program to find the product of two matrices..
- 8 Write a program to find the GCD of two numbers using iteration and recursion.
- 9 Write a program to illustrate use of storage classes.
- 10 Write a program to demonstrate the call by value and the call by reference concepts.
- 11 Write a program that prints a table indicating the number of occurrences of each alphabet in the text entered as command line arguments.
- 12 Write a program to illustrate use of data type enum.
- 13 Write a program to demonstrate use of string functions string.h header file.
- 14 Write a program that opens a file and counts the number of characters in a file.
- 15 Write a program to create a structure Student containing fields for Roll No., Name, Class, Year and Total Marks. Create 10 students and store them in a file.
- 16 Write a program that opens an existing text file and copies it to a new text file with all lowercase letters changed to capital letters and all other characters unchanged.

Note Write the Pseudo Code and draw Flow Chart for the above programs.
Recommended to use Open Source Software: GCC on Linux; DevC++ (or) CodeBlocks on Windows 10.




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Programming in C++ Semester -II

| | | |
|-----------|--------------|-----------|
| Theory | 4 Hours/Week | 4 credits |
| Practical | 3 Hours/Week | 1 credit |

Unit – I

Introduction to C++: Applications, Example Programs, Tokens, Data Types, Operators, Expressions, Control Structures, Arrays, Strings, Pointers, Searching and Sorting Arrays.
Functions: Introduction, Prototype, Passing Data by Value, Reference Variables, Using Reference Variables as Parameters, Inline Functions, Default Arguments, Overloading Functions, Passing Arrays to Functions.
Object Oriented Programming: Procedural and Object-Oriented Programming, Terminology, Benefits, OOP Languages, and OOP Applications.

Unit – II

Classes: Introduction, Defining an Instance of a Class, Why Have Private Members? Separating Class Specification from Implementation, Inline Member Functions, Constructors, Passing Arguments to Constructors, Destructors, Overloading Constructors, Private Member Functions, Arrays of Objects, Instance and Static Members, Friends of Classes, Member-wise Assignment, Copy Constructors, Operator Overloading, Object Conversion, Aggregation.

Unit – III


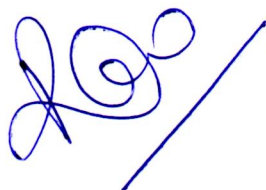
Inheritance: Introduction, Protected Members and Class Access, Base Class Access Specification, Constructors and Destructors in Base and Derived Classes, Redefining Base Class Functions, Class Hierarchies, Polymorphism and Virtual Member Functions, Abstract Base Classes and Pure Virtual Functions, Multiple Inheritance.
C++ Streams: Stream Classes, Unformatted I/O Operations, Formatted I/O Operations.

Unit – IV

Exceptions: Introduction, Throwing an Exception, Handling an Exception, Object-Oriented Exception Handling with Classes, Multiple Exceptions, Extracting Data from the Exception Class, Re-throwing an Exception, Handling the `bad_alloc` Exception.
Templates: Function Templates–Introduction, Function Templates with Multiple Type, Overloading with Function Templates, Class Templates – Introduction, Defining Objects of the Class Template, Class Templates and Inheritance, Introduction to the STL.

Text Tony Gaddis, Starting out with C++: from control structures through objects (7e)

References B. Lippman, C++ Primer
Bruce Eckel, Thinking in C++
K.R. Venugopal, Mastering C++
Herbert Schildt, C++: The Complete Reference
Bjarne Stroustrup, The C++ Programming Language
Sourav Sahay, Object Oriented Programming with C++



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KAKATIYA UNIVERSITY
VAREASIGUDA - 508001 (T.S.)

C++ Lab Semester -II

Practical


3 Hours/Week

1 credit

- 1 Write a program to.
 - a. Print the sum of digits of a given number.
 - b. Check whether the given number is Armstrong or not
 - c. Print the prime number from 2 to n where n is natural number given.
- 2 Write a program to find largest and smallest elements in a given list of numbers and sort the given list.
- 3 Write a program to read the student name, roll no, marks and display the same using class and object.
- 4 Write a program to implement the dynamic memory allocation and de-allocation using new and delete operators using class and object.
- 5 Write a program to find area of a rectangle, circle, and square using constructors.
- 6 Write a program to implement copy constructor.
- 7 Write a program using friend functions and friend class.
- 8 Write a program to implement constructors
 - § Default Constructor, Parameterized Constructor, Copy Constructor
 - § Define the constructor inside/outside of the class
 - § Implement all three constructors within a single class as well as use multiple classes(individual classes)Write a program to implement the following concepts using class and object
 - § Function overloading
 - § Operator overloading (unary/binary(+ and -))Write a program to demonstrate single inheritance, multilevel inheritance and multiple inheritances.
Write a program to implement the overloaded constructors in inheritance.
Write a program to implement the polymorphism and the following concepts using class and object.
 - § Virtual functions
 - § Pure virtual functionsWrite a program to implement the virtual concepts for following concepts
 - § Constructor (not applied)
 - § Destructor (applied)Write a program to demonstrate static polymorphism using method overloading.
Write a program to demonstrate dynamic polymorphism using method overriding and dynamic method dispatch.
Write a program to implement the template (generic) concepts
 - § Without template class and object
 - § With template class and object

Write the Pseudo Code and draw Flow Chart for the above programs.

Recommended to use Open Source Software: GCC on Linux; DevC++ (or) CodeBlocks on Windows.



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KAKATIYA UNIVERSITY
FACULTY OF SCIENCE
B.Sc. (Computer Science)
SEMESTER – V
Programming in Java

| | | | |
|-----------|--------------|----------|---------------------|
| Theory | 4 Hours/Week | 4 Credit | Internal marks = 20 |
| Practical | 3 Hours/Week | 1 Credit | External Marks = 80 |

Unit - I

Introduction: Java Essentials, JVM, Java Features, Creation and Execution of Programs, Data Types, Structure of Java Program, Type Casting, Conditional Statements, Loops, Classes, Objects, Class Declaration, Creating Objects.

Unit - II

Method Declaration and Invocation, Method Overloading, Constructors – Parameterized Constructors, Constructor Overloading, Cleaning-up unused Objects. Class Variables & Method-static Keyword, this Keyword, One-Dimensional Arrays, Two-Dimensional Arrays, Command-Line Arguments, Inner Class.

Inheritance: Introduction, Types of Inheritance, extends Keyword, Examples, Method Overriding, super, final Keyword, Abstract classes, Interfaces, Abstract Classes Verses Interfaces.

Packages: Creating and Using Packages, Access Protection, Wrapper Classes, String Class, StringBuffer Class.

Unit - III

Exception: Introduction, Types, Exception Handling Techniques, User-Defined Exception.

Multithreading: Introduction, Main Thread and Creation of New Threads –By Inheriting the Thread Class or Implementing the Runnable Interface, Thread Lifecycle, Thread Priority and Synchronization.

Input/Output: Introduction, java.io Package, File Streams, FileInputStream Class, FileOutputStream Class, Scanner Class, BufferedInputStream Class, BufferedOutputStream Class, RandomAccessFile Class.

Unit - IV

Applets: Introduction, Example, Life Cycle, Applet Class, Common Methods Used in Displaying the Output (Graphics Class).

Event Handling: Introduction, Types of Events, Example.

AWT: Introduction, Components, Containers, Button, Label, Checkbox, Radio Buttons, Container Class, Layouts.

Swings: Introduction, Differences between Swing and AWT, JFrame, JApplet, JPanel, Components in Swings, Layout Managers, JTable.

Text Book:

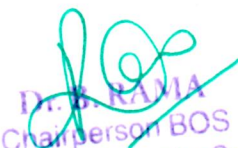
1. Sachin Malhotra, Saurabh Choudhary, Programming in Java (2e)

References:

1. Bruce Eckel, Thinking in Java (4e)
2. Herbert Schildt, Java: The Complete Reference (9e)
3. Y. Daniel Liang, Introduction to Java Programming (10e)
4. Paul Deitel, Harvey Deitel, Java: How To Program (10e)
5. Cay S. Horstmann, Core Java Volume I –Fundamentals (10e)

Department of Computer Science, KU

With Effect from the Academic Year 2019-2020


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Department of Computer Science
KAKATIYA UNIVERSITY
Warangal- 506 009 (T.S.)

KAKATIYA UNIVERSITY
FACULTY OF SCIENCE
B.Sc. (Computer Science)
SEMESTER – V
Programming in Java Lab

Practical 3 Hours/Week 1 Credit Marks: 25

Note:

- Programs of all the Concepts from Text Book including exercises must be practice and execute.
 - In the external lab examination student has to execute two programs with compilation and deployment steps are necessary.
 - External Vice-Voce is compulsory.
1. Write a program to find the largest of n natural numbers.
 2. Write a program to find whether a given number is prime or not.
 3. Write a menu driven program for following:
 - a. Display a Fibonacci series
 - b. Compute Factorial of a number
 4. Write a program to check whether a given number is odd or even.
 5. Write a program to check whether a given string is palindrome or not.
 6. Write a program to print the sum and product of digits of an Integer and reverse the Integer.
 7. Write a program to create an array of 10 integers. Accept values from the user in that Array. Input another number from the user and find out how many numbers are equal to the number passed, how many are greater and how many are less than the number passed.
 8. Write a program that will prompt the user for a list of 5 prices. Compute the average of the prices and find out all the prices that are higher than the calculated average.
 9. Write a program in java to input N numbers in an array and print out the Armstrong numbers from the set.
 10. Write java program for the following matrix operations:
 - a. Addition of two matrices
 - b. Transpose of a matrix
 11. Write a java program that computes the area of a circle, rectangle and a Cylinder using function overloading.
 12. Write a Java program for the implementation of multiple inheritance using interfaces to calculate the area of a rectangle and triangle.
 13. Write a java program to create a frame window in an Applet. Display your name, address and qualification in the frame window.
 14. Write a java program to draw a line between two coordinates in a window.
 15. Write a java program to display the following graphics in an applet window.
 - a. Rectangles b. Circles
 - c. Ellipses d. Arcs e. Polygons
 16. Write a program that reads two integer numbers for the variables a and b. If any other character except number (0-9) is entered then the error is caught by NumberFormatException object. After that ex.getMessage () prints the information about the error occurring causes.
 17. Write a program for the following string operations:
 - a. Compare two strings b. concatenate two strings c. Compute length of a string
 18. Create a class called Fraction that can be used to represent the ratio of two integers. Include appropriate constructors and methods. If the denominator becomes zero, throw and handle an exception.

Department of Computer Science, KU

With Effect from the Academic Year 2019-2020


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KAKATIYA UNIVERSITY
FACULTY OF SCIENCE
B.Sc. (Computer Science)
SEMESTER – VI
Web Technologies

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|-----------|--------------|----------|---------------------|
| Theory | 4 Hours/Week | 4 Credit | Internal marks = 20 |
| Practical | 3 Hours/Week | 1 Credit | External Marks = 80 |

Unit – I

Introduction To XHTML– Introduction, first HTML, Headings, Linking, Images, special characters and horizontal rules, Lists, Tables, Frames, Forms, internal linking, meta Elements. CASCADING STYLE SHEETS – Introduction, Inline Styles, Embedded Style Sheets, Conflicting Styles, Linking external sheets, position Elements, box model and text flow, media types, building a CSS drop-down menu, user style sheets, CSS3.

Unit – II

Introduction To Java Scripting- introduction, simple program, prompt dialog and alert boxes, memory concepts, operators, decision making, control structures, if... else statement, while, counter-controlled repetitions, switch statement, do... while statement, *break* and *continue* statements. Functions – program modules in JavaScript, programmer–defined functions, functions definition, scope rules, global functions, Recursion.

Unit – III

Arrays- introduction, declaring and allocating arrays, references and reference parameters, passing arrays to functions. Multidimensional arrays, **EVENTS** – registering event handling, event onload, onmouseover, onmouseout, onfocus, onblur, onsubmit, onreset, event bubbling, more events. **JAVA SCRIPT OBJECTS** – introduction to object technology, Math Object, String Object, Date Object, Boolean and Number Object, document and window Objects, using cookies.

Unit – IV


XML - Introduction, XML Basics, Structuring Data, XML Namespaces, Document Type Definitions (DTDs), W3C XML Schema Documents, XML Vocabularies, Extensible Style sheet Language and XSL Transformations, Document Object Model (DOM).

Ajax-Enabled Rich Internet Applications: introduction, history of Ajax, traditional web applications Vs Ajax Applications, RIAs with Ajax, Ajax example using XMLHttpRequest object, XML and DOM, creating full scale Ajax-enabled application, Dojo Toolkit.

Text Book:

1. Internet & World Wide Web: HOW TO PROGRAM- H. M. Deitel, P.J. Deitel, -Fourth Edition- Pearson edition.

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Dr. B. RAMA
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FACULTY OF SCIENCE
B.Sc. (Computer Science)
SEMESTER – VI
Web Technologies Lab

Practical 3 Hours/Week 1 Credit Marks: 25

1. Write a HTML program using basic text formatting tags, <p>,
, <pre>.
2. Write a HTML program by using text formatting tags.
3. Write a HTML program using presentational element tags , <i>, <strike>, <sup>, <sub>, <big>, <small>, <hr>
4. Write a HTML program using phrase element tags <blockquote>, <cite>, <abbr>, <acronym>, <kbd>, <address>
5. Write a HTML program using different list types.
6. Create a HTML page that displays ingredients and instructions to prepare a recipe.
7. Write a HTML program using grouping elements <div> and .
8. Write a HTML Menu page for Example cafe site.
9. Write a HTML program using images, audios, videos.
10. Write a HTML program to create your time table.
11. Write a HTML program to create a form using text inputs, password inputs, multiple line text input, buttons, check boxes, radio buttons, select boxes, file select boxes.
12. Write a HTML program to create frames and links between frames.
13. Write a HTML program to create different types of style sheets.
14. Write a HTML program to create CSS on links, lists, tables and generated content.
15. Write a HTML program to create your college web site using multi column layouts.
16. Write a HTML program to create your college web site using for mobile device.
17. Write a HTML program to create login form and verify username and password.
18. Write a JavaScript program to calculate area of rectangle using function.
19. Write a JavaScript program to wish good morning, good afternoon, good evening depending on the current time.
20. Write a JavaScript program using switch case?
21. Write a JavaScript program to print multiplication table of given number using loop.
22. Write a JavaScript programs using any 5 events.
23. Write a JavaScript program using JavaScript built in objects.
24. Write a JavaScript program to create registration Form with Validations.
25. Write a XML Program to represent Student Data using DTD.
26. Write a XML Program to represent Data using XML Schema Definition.