



Value Added Syllabus

Department : Biochemistry

Academic Year: 2019-2020

Class: I B.Sc Biochemistry, Biotechnology, Physics,

Chemistry, Tamil & BCA

Course Name: Nutritional Biochemistry

Hours: 33 Hours

Objective:

- Understands the metabolism of different macro and micro nutrients in human physiology.
- Acquires knowledge on factors affecting digestion, absorption of nutrients.
- Knowledge on enzymes and its role in nutrient metabolism.

Unit I

Definition of food, Basic food groups & Physiological role.

Unit II

Significance of carbohydrates & Lipids.

Unit III

Significance of Proteins & Deficiencies.

Unit IV

Significance of Vitamins & Deficiencies.

Unit V

Significance of Minerals & Deficiencies.

Reference Books:

- B.Srilakshmi, Food Science, New Age International Publishers, 2018
- R.Swaminathan, Handbook of Clinical Biochemistry, World Scientific Publishing, 2011

Outcome:

- Selects foods based on nutrient chemical components and their function biochemically, physiologically and metabolically as well as their impact on disease.
- Understands nutritional needs in healthy individuals and in diseased conditions.

HOD 25/11/2019

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Value Added Course Syllabus

Department: Biotechnology

Academic Year: 2019-2020

Class : I UG

Subject: Basic Biotechnology

Hours : 33

Objectives:

- To understand and familiarize with some of the basics of biotechnology.
- Can outline various biotech based products used in day to day life

Unit – I

Introduction to Biotechnology- History of biotechnology, Scope and future of biotechnology.

Unit –II

DNA structure and Basics – Double helix structure and its discovery.

Unit –III

Types of Biotechnology-Blue Biotechnology, Green Biotechnology,Red biotechnology,white biotechnology.

Unit – IV

Vaccines – Live and attenuated vaccines, Killed vaccines.

Unit –V

Antibiotics- Isolation and Production.

Course Outcome:

- Students will be able to explain the basic concept of biotechnology
- Students will be able to understand the methods of producing vaccines.

Reference books:

1. Biotechnology By Satyanarayana – (2010).
2. A text book of Biotechnology, RC Dubey, S. Chand and Company Ltd (2006).

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Value added Course Syllabus

Department: Biotechnology

Academic Year: 2019-2020

Class : III UG

Subject: Advanced Biotechnology

Hours : 33

Objectives:

To understand and familiarize with advances of biotechnology in various fields.

Can outline various biotech based products used in day to day life.

Unit – I

Introduction to Biotechnology- Scope and future of biotechnology.

Unit –II

Recombinant DNA(rDNA) technology- Isolation of DNA

Unit –III

Food Biotechnology – Microbial products

Unit – IV

Pharmaceutical Biotechnology- Production of drugs and drugs designing.

Unit –V

Environmental Biotechnology- Bioremediation, Bioadsorption

Course Outcome:

Students will be able to study about the applications of Biotechnology

Students will be able to learn about environmental applications of Biotechnology

Reference books:

1. Biotechnology By Satyanarayana – (2010).
2. A text book of Biotechnology, RC Dubey, S. Chand and Company Ltd (2006).

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DEPARTMENT OF MATHEMATICS

Value Added Course 2019-2020- Syllabus

Subject Name : Logical and Verbal Reasoning

Class : I UG (33 Hours)

Objectives:

- To Educate Basics on Number System.
- To Gain Knowledge on Coding and Decoding.
- To Learn about Simple & Compound interest.
- To attain ideas of Operation Replacing.
- To study about Analogy.

UNIT I

Numbers, Average and Percentage

UNIT II

Coding and Decoding , Sequence and Series Test

UNIT III

Missing Numbers, Ratio and Proportion

UNIT IV

Simple and Compound Interest, Operation Replacing

UNIT V

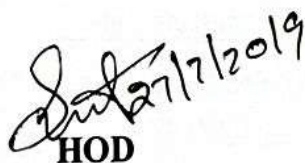
Simple Arithmetical Problems. Analogy


Reference Book

Quantitative Aptitude- Dr.R.S.Aggarwal, S.Chand & Company LTD

Course Outcomes

1. After Completing unit I, the students will be able to know about Number System.
2. After Completing unit II, the students will come to know about the concepts of Coding and Decoding
3. After Completing unit III, the students will be able to understand the concept of Missing Numbers, Ratio & Proportion .
4. After Completing unit IV, the students will be interoperated the knowledge of Simple and Compound interest.
5. After Completing unit V, the students gained the knowledge of Simple Arithmetical Problems, Analogy


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MARUDHAR KESARI JAIN COLLEGE, FOR WOMEN, VANIYAMBADI
DEPARTMENT OF CHEMISTRY
Value Added - Syllabus

Subject Name : Medicinal Chemistry

Academic Year: 2019-2020

Class : III UG

Hours : 33

Objectives:

- To learn the basic idea of Drugs and Names of Common Drugs, Blood, Blood Pressure, Diabetes, AIDS, Vitamins, Indian Medicinal Plants and First Aid.

UNIT-I

(6 hours)

- 1.1 Clinical Health and Biochemical Analysis - Definition of Health - WHO standard.
- 1.2 Sterilisation of Surgical Instruments - Biochemical Analysis of Urine and Serum.
- 1.3 Blood – Composition of Blood - Blood grouping and Rh factor.

UNIT-II

(7 hours)

- 2.1 Common Drugs - Antibiotics, Antipyretics and Analgesics - Examples, Uses and Side effects.
- 2.2 Anti-inflammatory agents, Sedatives, Antiseptics and Antihistamines - Examples, Uses and Side effects.
- 2.3 Tranquilizers, Hypnotics and Antidepressant drugs - Definition, Examples, Uses and Side effects.

UNIT-III

(6 hours)

- 3.1 Vital Ailments and Treatment - Blood pressure - Hypertension and Hypotension.
- 3.2 Diabetes, Cancer, AIDS - Causes, Symptoms and Treatment.
- 3.3 Vitamins – Classification of Vitamins – Sources and Deficiency diseases caused by Vitamins.

UNIT-IV

(7 hours)

- 4.1 Indian Medicinal Plants - Palak, Vallarai, Kizhanelli and Thumbai - Chemical Constituents and Medicinal Uses.
- 4.2 Hibiscus, Adadodai, Thoothuvalai – Chemical Constituents and Medicinal Uses.

4.3 Nochi, Thulasi, Aloe Vera - Chemical Constituents and Medicinal Uses.

UNIT- V

(7 hours)

5.1 First Aid and Safety - Treatment of Shock, Haemorrhage, Cuts and Wounds.

5.2 Burns - Classification - First Aid.

5.3 Asbestos, Silica, Lead Paints, Cement, Welding fumes and Gases - Hazard alert and Precautions for Safety.

COURSE OUTCOMES :

1. After completing unit I the students will be able to know about the clinical health.
2. After completing unit II the students will be able to know about the drugs and its common names of drug.
3. After completing unit III the students will be able to know about the blood, AIDS and its treatment.
4. After completing unit IV the students will be able to know about Indian medicinal plants.
5. After completing unit V the students will be able to know the First aid and safety.

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MARUDHAR KESARI JAIN COLLEGE FOR WOMEN,VANIYAMBADI
DEPARTMENT OF CHEMISTRY
VALUE ADDED – SYLLABUS



Subject Name : Chemistry In Everyday Life

Academic year : 2019-2020

Class : I UG

Hour : 33

Objectives:

- To know the basics of Chemistry in our life.
- To know about the Food Colors, Plastics, Drugs etc.

UNIT- I

(7 hours)

- 1.1 General Survey of Chemicals used in everyday life.
- 1.2 Cosmetics - Talcum Powder, Tooth pastes, Shampoos, Nail Polish and Perfumes -
General formulation - Preparation - Hazards of Cosmetic use.
- 1.3 Soaps and Detergents – Types - Preparation and Uses.

UNIT-II

(7 hours)

- 2.1 Food and Nutrition - Carbohydrates, Proteins, Fats and Minerals – Examples.
- 2.2 Vitamins – Definitions – Classification - Sources and their Physiological importance
Balanced diet.
- 2.3 Adulterants in Milk, Ghee, Oil, Coffee Powder, Tea, Asafoetida, Chilli Powder, Pulses and
Turmeric Powder - Identification.

UNIT-III

(6 Hours)

- 3.1 Food colours used in food - Soft drinks and its Health hazards.
- 3.2 Food Preservatives – Definition – Examples - Methods of preservation - Low and High
temperature.
- 3.3 Dehydration - Osmotic pressure - Food irradiation.

UNIT-IV

(6 Hours)

- 4.1 Plastics, Polythene, PVC, Bakelite, Polyesters, Resins and their Applications.
- 4.2 Natural Rubber - Synthetic rubbers - Vulcanisation - Preparation and its Applications.
- 4.3 Antipyretics, Analgesics, Anaesthetics, Sedatives – Definition - Examples and Uses.

UNIT-V

(7 Hours)

5.1 Gobar gas - Production - Feasibility and Importance of Biogas with special reference to Rural India.

5.2 Fertilizers - Definition - Classification - Urea, NPK and Super phosphates - Need - Uses and Hazards.

5.3 Sweetening agents - Sucrose and Glucose - Artificial Sweetening agents - Saccharin - Cyclamate - Advantages and Disadvantages.

COURSE OUTCOMES :

1. After completing unit I the students will be able to know about the chemicals used in everyday life.
2. After completing unit II the students will be able to know about the foods and nutrition .
3. After completing unit III the students will be able to know about the food colours used in food and how to preserve it
4. After completing unit IV the students will be able to know about Plastics, natural rubber and drugs.
5. After completing unit V the students will be able to know about the fertilizers.



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Department of Commerce

Value Added Syllabus

Course Name: ICSI Foundation Course
Class: II B.Com CA, I B.Com, II B.Com,
III B.Com CA

Academic Year: 2019-2020

Hours: 33 Hrs

Course Objective:

1. To understanding the basic Principles and Practical Application of Accounting.
2. To acquire knowledge about Depreciation accounting.
3. To draft the Final Accounts as per the Accounting standards.
4. To make clear understand the meaning of Concepts and Objectives, Principles of Auditing and Types of Audit.
5. To understand an Appointment, Qualification, Rights and Duties.

Unit-I

Meaning and Scope of Accounting; Accounting Concepts; Accounting Principles, Conventions and Standards - Concepts, Objectives, Benefits; Accounting Policies; Accounting as a Measurement Discipline - Valuation Principles, Accounting Estimates.

Documents & Books of Accounts- Invoice, Vouchers, Debit & Credit Notes, Day books, Journals, Ledgers and Trial Balance; Capital and Revenue- Expenditures and Receipts; Contingent Assets and Contingent Liabilities; Rectification of Errors.

Unit-II

Brief of various Methods; Computation and Accounting Treatment of Depreciation (Straight line and Diminishing Balance Method); Change in Depreciation Methods.

Unit-III

Preparation of Profit & Loss Account; Balance Sheet, Receipt and Payment Accounts; Income and Expenditure Accounts.

Unit-IV

Concepts and Objectives - Principles of Auditing - Types of Audit - Evidence in Auditing - Audit Programmes, Internal Audit; Statutory Auditor.


Unit-V

Appointment, Qualification, Rights and Duties; Secretarial Audit- An Overview; Cost Audit- An Overview; Reporting- Types, Meaning, Contents, Qualifications.

Course Outcomes:

1. The students will be able to know the basic Principles and Practical Application of Accounting.
2. Students will understand and gain the knowledge of Depreciation accounting.
3. The Students will acquired effective knowledge on company law..
4. The Students understand the Concepts and Objectives, Principles of Auditing and Types of Audit.
5. Understand the Appointment, Qualification, Rights and Duties.

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Objective:

1. To acquire the basic knowledge of the daily life.
2. Grasp meaning of words and sentences.
3. Acquire the ability to use a suitable dictionary.
4. Put ideas in proper sequence.
5. Use correct grammatical items.
6. It encourages good manners, especially writing.

Unit-I

Conversation

- Official Conversation
- Unofficial Conversation

Unit-II

Presentation

- Oral Presentation
- Group Discussion
- Self Introduction

Unit-III

Skill

- Elocution Skill
- Skimming and Scanning

Unit-IV

Grammar

- Parts of Speech

Unit-V

Use of Foreign Languages

- Personality Development

Outcome:

1. To gain the knowledge of basic skills.
2. To know how to use the correct form of Grammar in daily life.
3. To explore different forms of communication from the past and the present.


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MARUDHAR KESARI JAIN COLLEGE FOR WOMEN, VANIYAMBADI



DEPARTMENT OF NUTRITION FSM & DIETETICS

VALUE ADDED SYLLABUS

Course Title : Diet Therapy

Academic Year: 2019-2020

Class : III B.Sc

Subject Handled by : Ms. G.Z. Fathima Bathul

Hours : 33 HRS

LEARNING OBJECTIVES

- Apply biological, biochemical and physiologic scientific principles to nutrition practice.
- Interpret of medical terminology and laboratory parameters relating to nutrition.
- Interpret scientific research, apply it to nutrition practices, and document interventions.
- Maintain good nutritional status correct deficiencies or disease.

UNIT I

Diet therapy- Definition, principles of therapeutic diet, types of hospital diet - clear fluid, Full fluid, Soft diet, bland and regular diet.

UNIT II

Diabetes Mellitus- Definition, Types, Etiology, Symptoms, Dietary management.

UNIT III

Cardiovascular disease- Hypertension, Atherosclerosis causes, symptoms, principles of diet

UNIT IV

Diet in infection and fever- Typhoid, Tuberculosis causes, symptoms, dietary management.

UNIT V

Disease of the Gastro Intestinal Tract- Peptic Ulcer, Diarrhea causes, symptoms, dietary management.

COURSE OUTCOMES

- Utilize knowledge from the physical and biological sciences as a basis for understanding the role of food and nutrients in health and disease processes.
- Provide nutrition counseling and education to individuals, groups, and communities throughout the lifespan using a variety of communication strategies.

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HOD 30/7/23

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Marudhar Kesari Jain College for Women, Vaniyambadi

Department of Business Administration

Value Added Syllabus

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Course Name : MANAGEMENT CONCEPT

Class : IUG

Handled By : Sangeetha.V, Rajalakshmi.R

Academic Year :2019-2020

Hours : 33 Hr

Objectives:

To enable the students understand the Principles of Management and how to acquire skills to become a good manager.

Unit-I

Management – Definition – Importance – Role and Functions of a Manager.

Unit-II

Planning – Nature – Purpose – Steps – Types – Merits and Demerits of Planning – MBO.

Unit-III

Organising – Purpose – Line and Staff Organisation – Committee Organisation -
Departmentation – Span of Control – Delegation of Authority – Centralisation and
Decentralisation of Authority

Unit-IV

Directing – Leadership – Motivation – Communication - Process of Communication – Barriers
of Communication.

Unit-V

Controlling – Need and Importance – Control process – Co-ordination – Need – Principles –
Approaches to achieve effective Co-ordination

Course Outcome:


- *The purpose of this paper is to provide and in-depth understanding of the role of Approaches of Management.*
- *To enable the course participants to manage the effective Co-ordination To enable the course participants to manage the effective Co-ordination*


Text Books:

1. Sundar - Principles of Management –Vijay Nicole Private Limited
2. Dr.C.D. Balaji –Principles of Management –Margham Publications

Books for Reference:

1. L.M.Prasad – Priniciples and Practice of Management – Margham Publication.
2. R.N.Gupta – Principles of Management - S. Chand & Co.


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Department/Year: English /III UG
Course Name : English for Competitive Exam

Academic Year: 2019- 2020
Hours: 34

Objective:

1. To acquire the basic knowledge of the daily life.
2. Grasp meaning of words and sentences.
3. Acquire the ability to use a suitable dictionary.
4. Put ideas in proper sequence.
5. Use correct grammatical items.
6. It encourages good manners, especially writing.

Unit-I

Phonetics

- Vowels
- Consonants

Unit-II

Language

- British English
- American English

Unit-III

Figure of Speech

- Euphemism
- Dysphemism
- Metaphor
- Simile

Unit-IV

Words

- Blending Words
- Word Stress
- Compound Words

Unit-V

Grammar

- Degree of Comparison
- Articles
- Parts of Speech
- Punctuation

Outcome:

1. To gain the knowledge of basic skills.
2. To know how to use the correct form of Grammar in daily life.
3. To explore different forms of communication from the past and the present.

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MARUDHAR KESARI JAIN COLLEGE FOR WOMEN
PG & RESEARCH DEPARTMENT OF PHYSICS



VALUE ADDED SYLLABUS

Course Title : Space Science **Academic Year** : 2019-2020
Class : II B.Sc Physics, II B.Sc Mathematics, II B.Sc Biotechnology &
II B.Sc Computer Application
Subject Handled by : Ms. B. Prabhavathi **Hours** : 33 HRS

Learning Objectives:

- To give basic principle and types of astronomical instruments.
- To study the big bang theory, types of galaxies and to astronomical units.
- To learn the birth and age of stars and to know about comets.
- To teach the structure of the sun and other planets.
- To give the overview of India's space programme.

UNIT- I

ASTRONOMICAL INSTRUMENTS

Optical telescope - reflecting telescope - types of reflecting telescope - advantages of reflecting telescopes - radio telescope - astronomical spectrographs

UNIT- II

SPACE

Introduction -Hubble's Law -Big bang theory - Shape of Universe Galaxies - Types of Galaxies- Spiral, Elliptical and Irregular Galaxies - Clusters of Galaxies - Milky Way - Astronomical Unit- Astronomical Systems -Astronomical co-ordinates.

UNIT- III

STARS

Birth of Stars -Colour and Age- Life of Stars - Red giant stars - White dwarf star - Neutron Star -Black hole - Supernovae - Constellations - Zodiac - Asteroids - Meteors -Meteorites-Comets.

UNIT- IV

SOLAR SYSTEM

Introduction - Sun - Structure of Sun - Nuclear reactions in sun - Sun spot and solar flares - Earth - Structure of earth - Atmosphere - Moon and its structure - Inner planets Outer planets - Eclipses -Introduction - umbra and penumbra - lunar eclipse - solar eclipse.

UNIT- V

INDIA'S SPACE PROGRAMME

Overview - Methodological issues in cost beneficial analysis of spaceprogramme - The INSAT system - Broadcasting - Telecommunication -Meteorology - Indian remote sensing programme - Geoinformatics (basic idea only) - The launching program-Latest Launchers- PSLV and GSLV - Mission - Chandrayan 2

Course Outcomes:

- After studied unit-1, the student will be able to study the different types of optical instruments like telescopes and spectrographs will be used for observing/recording the space objects.
- After studied unit-2, the student will be able to describe big bang theory, different types of galaxies, milky way and astronomical unit.
- After studied unit-3, the student will be able to explain about stars, asteroids, meteorites and comets.
- After studied unit-4, the student will be able to know the details of solar system and able to know the formation eclipse due to sun and earth.
- After studied unit-5, the student will be able to understanding the different space programmes/missions carried out by our Indian Space Research Organization (ISRO).


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VALUE ADDED SYLLABUS

Course Title : Basic Physics Academic Year : 2019-2020

Class : I B.Sc Nutrition FSM & Dietetics, I B.Sc Physics &
I B.Sc Computer science, I B.Sc Computer Application

Subject Handled by : Ms. M. Anchana Hours : 33 HRS

Learning Objectives:

- Branch of physical sciences concerned with the state of rest or motion of bodies subjected to forces.
- To provide thermal comfort and healthy indoor air
- Explain wave length, frequency and speed of travelling waves.
- They can correctly classify facts and topics and possess the practical skill to solve problems of geophysics.
- Understand and apply basic physics and computational techniques to solve problems in astrophysics, and interpret the results

Unit-I

Mechanics

Force-Weight- Work- Energy- Power- Horsepower- Centrifuge- Washing machine.

Unit-II

Heat

Variation of boiling point with pressure- Pressure cooker- Refrigerator- Air Conditioner- Principle and their capacities.

Unit-III

Sound and Optics

Sound waves- Doppler effect- Power of lens- Long sight and short sight- Microscope- Telescope- Binocular- Camera.

Unit-IV

Geo Physics and Medical Physics

Earthquake- Richter scale- thunder and lightning- Lightning arrestors- Cosmic showers.

Unit-V


Space Science and Communication

Newton's law of gravitation- Weather forecasting and communication satellites- Indian Satellites.

Course Outcomes:

- After studied unit-1, the student will be able to know the soil properties and parameters from the test observations and results.
- After studied unit-2, the student will be able to describe the characteristics of amplitude, wavelength and frequency for a sound wave.
- After studied unit-3, the student will be able to know the working principles of microscope, telescope and camera.
- After studied unit-4, the student will be able to classify facts and topics and possess the practical skill to solve problems of geophysics.
- After studied unit-5, the student will be able to know Weather forecasting and communication satellites.


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DEPARTMENT OF TAMIL VALUE ADDED SYLLABUS

ACADEMIC YEAR – 2019-2020

COURSE NAME- TAMILNADU PUBLIC SERVICE COMMISSION

CLASS - II B.A.TAMIL, II BCA[A]&[B], II BBA,II B.SC CHEMISTRY,II B.SC CS, II B.COM[CA], II BA ENG, II B.COM,II B.SC PHY,II B.SC MAT,II BIO CHE,II BIO TEC,II ND,III B.COM[CA],III BIO CHEM, III BIO TEC,III B.SC MATHS,III B.SC PHYS[A]&[B],III B.SC CS

HOURS – 31 Hrs

HANDLED BY : 1. P.BAKIYA

2.N.SUBATHRA

3.S.ROJAMANI

4.S.TAMILSELVI

COURSE OBJECTIVE: The students to get government job opportunity - Village Administrative Officer (VAO) Officer, Junior Assistant (Non Security), Typist

அலகு - 1

இலக்கணம் ।

- > பொருத்துதல் - பொருத்துமான பொருளை தேர்வு செய்தல், புகழ் பெற்ற நூல் நூலாசிரியர்
- > தொடரும் தொடர்பும் அறிதல், இத்தொடரல் குறிக்கபெரும் சான்றோர் ,அடைமொழியால் குறிக்கபெரும் நூல்
- > பிரித்து எழுதுதல்
- > எதிர்ச்சொல்லை எழுதுதல்
- > பொருந்தாச்சொல்லைக் கண்டறிதல்
- > பிழை திருத்தம், சந்திப்பிழையை நீக்குதல் ,ஒருமை பன்மை பிழைகளை நீக்குதல் மரபுப் பிழைகள், வழுவச் சொற்களை நீக்குதல்

- > ஆங்கிலச் சொல்லுக்கு நேரான தமிழ்ச் சொல்லை அறிதல்
- > ஒலி வேறுபாடறிந்து சரியான பொருளை அறிதல்
- > ஒர் எழுத்து ஒருமொழி உரிய பொருளைக் கண்டறிதல்

அலகு - 2

இலக்கணம் - II

- > வேறுச்சொல்லைத் தேர்வு செய்தல்
- > வேறுச்சொல்லைக் கொடுத்து / வினைமுற்று, வினையெச்சம் , வினையாலனையும் பெயர் ,தொழில் பெயரை /உருவாக்கல்
- > அகர வரிசைப்படி சொற்களைச் சீர் செய்தல்
- > சொற்களை ஒழுங்குபடுத்தி சொற்றொடராக்குதல்
- > பெயர்ச்சொல்லின் வகையறிதல்
- > இலக்கணக் குறிப்பறிதல்
- > விடைக்கேற்ற வினாவைத் தேர்ந்தெடுத்தல்
- > எவ்வகை வாக்கியம் எனக் கண்டெழுதுதல்
- > தன்வினை, பிறவினை, செய்வினை , செய்யபாட்டு வினை வாக்கியங்களை கண்டெழுதுதல்
- > உவமையால் விளக்கப்படும் பொருத்தமான பொருளைத் தேர்ந்தெழுதுதல்
- > எதுகை ,மோனை ,இயைபு இவற்றுள் ஏதேனும் ஒன்றைத் தேர்ந்தெழுதுதல்

அலகு - 3

இலக்கியம் I

- > திருக்குறள் தொடர்பான செய்திகள், மேற்கோள்கள் தொடரை நிரப்புதல் I பத்தொன்பது அதிகாரம் மட்டும்) அன்பு - பண்பு - கல்வி -கேள்வி - அறிவு - அடக்கம், ஒழுக்கம், பொறை, நட்பு, வாய்மை, காலம், வலி, ஒப்புரவறிதல்,செய்நன்றி, சான்றாண்மை,

- நாற்பது, இனியவை நாற்பது, சிறுபஞ்சமூலம், ஏலாதி,
ஒளவையார் பாடல்கள் தொடர்பான செய்திகள்,
பதினெண்கீழ்க்கணக்குநூல்களில் பிற செய்திகள்.
- கம்பராமாயணம்- தொடர்பான செய்திகள் மேற்கோள்கள்,
பா வகை, சிறந்த தொடர்கள்.

அலகு - 4

இலக்கியம் - II

- புறநானூறு-

அகநானூறு, நற்றிணை, குறுந்தொகை, ஐங்குறுநூறு, கலித்
தொகை தொடர்பான செய்திகள், மேற்கோள்கள்
அடிவரையறை, எட்டுத்தொகை, பத்துப்பாட்டு நூல்களில்
உள்ள பிற செய்திகள்.

- சிலப்பதிகாரம்- மணிமேகலை- தொடர்பான செய்திகள்,
மேற்கோள்கள், சிறந்த தொடர்கள் உட்பிரிவுகள் மற்றும்
ஐம்பெரும்- ஐஞ்சிறுகாப்பியம் தொடர்பான செய்திகள்.
- பெரியபுராணம்- நாலாயிர திவ்வியப்பிரபந்தம்-
திருவிளையாடற் புராணம் - தேம்பாவணி- சீராப்புராணம்
தொடர்பான செய்திகள்.
- சிற்றிலக்கியங்கள்
திருகுற்றாலகுறவஞ்சி - கலிங்கத்துப்பரணி .
முத்தொள்ளாயிரம் ,தமிழ்விடு தூது - நந்திக்கலம்பகம்,
விக்கிரமசோழன் உலா, முக்கூடற்பள்ளு, காவடிச்சிந்து,
திருவேங்கடத்தந்தாதி, முத்துக்குமாரகவாமி பிள்ளைத்
தமிழ், பெத்தலகேம் குறவஞ்சி, அழகர் கிள்ளைவிடுதூது,
இராஜராஜன் சோழன் உலா தொடர்பான செய்திகள்.
மனோன்மணியம்- பாஞ்சாலி சபதம் - குயில் பாட்டு .
இரட்டுற மொழிதல் | காளமேகப்பூலவர் - அழகிய
சொக்கநாதர் தொடர்பான செய்திகள்.
- சமய முன்னோடிகள் அப்பர், சம்பந்தர், கந்தரர்,
மாணிக்கவாசகர், திருமூலர் ,குலசேகர ஆழ்வார், ஆண்டாள்,
சீததலைச் சாத்தனார், எச்.ஏ.கிருஷ்ண பிள்ளை,

உமறுப்புலவர் தொடர்பான செய்திகள்,
மேற்கோள்கள், சிறப்புப் பெயர்கள்.

அலகு - 5

தமிழ் அறிஞர்களும் தமிழ்த் தொண்டுகளும்

- பாரதியார், பாரதிதாசன், நாமக்கல் கவிஞர், கவிமணி
தேசிக விநாயகம் பிள்ளை தொடர்பான செய்திகள், சிறந்த
தொடர்பான செய்திகள், சிறந்த தொடர்கள், சிறப்புப்
பெயர்கள்.
- மரபுக்கவிதை - முடியரசன், வாணிதாசன், கரதா,
கண்ணதாசன், உடுமலைநாராயணகவி, பட்டுக்கோட்டை
கல்யாணசுந்தரம், மருதகாசி தொடர்பான செய்திகள்,
அடைமொழிகள்.
- புதுக்கவிதை - ந.பிச்சமூர்த்தி, சி.க.செல்லப்பா, தருமு
சிவராமு, பகவய்யா, இரா.மீனாட்சி, சி.மணி, சிற்பி,
மு.மேத்தா, ஈரோடு தமிழன்பன், அப்துல்ரகுமான்,
கலாப்ரியா, கல்யாணஜி, தேவதேவன், சாலை
இளந்திரையன், சாலினி இளந்திரையன், ஆலந்தூர் மோகன
ரங்கன்- தொடர்பான செய்திகள், மேற்கோள்கள், சிறந்த
தொடர்கள் மற்றும் எழுதிய நூல்கள்.
- தமிழில் கடித இலக்கியம்- நாட்குறிப்பு, நேரு மு.வ.-
அண்ணா- ஆனந்தரங்கம் பிள்ளை நாட்குறிப்பு தொடர்பான
செய்திகள்
- நாடகக்கலை- இசைக்கலை தொடர்பான செய்திகள்
- தமிழில் சிறுகதைகள் தலைப்பு - ஆசிரியர் - பொருத்துதல்
- கலைகள் - சிற்பம் - ஒலியம் - பேச்சு- திரைப்படக்கலை
தொடர்பான செய்திகள்
- தமிழின் தொன்மை -தமிழ் மொழியின் சிறப்பு, திராவிட
மொழிகள் தொடர்பான செய்திகள்

- உரைநடை- மறைமலையடிகள்,பரிதிமாற்கலைஞர்,ந. மு. வேங்கடசாமி நாட்டார், ரா.பி. சேதுப் பிள்ளை, திரு.வி.க., வையாபுரிப்பிள்ளை- மொழி நடை தொடர்பான செய்திகள்
- உ. வே. சாமிநாத ஐயர், தெ.பொ.மீனாட்சி கந்தரனார்,சி. இலக்குவனார் - தமிழ்ப்பணி தொடர்பான செய்திகள்
- தேவநேயப்பாவாணர்- அகரமுதலி, பாவலரேறு பெருஞ் சித்திரனார், தமிழ்த்தொண்டு தொடர்பான செய்திகள்
- ஜி.யு. போப் - விரமாமுனிவர் தமிழ்த்தொண்டு சிறப்புத் தொடர்கள்
- பெரியார்- அண்ணா - முத்துராமலிங்கத் தேவர் -அம்பேத்கர்- காமராசர்-சமுதாயத் தொண்டு
- தமிழகம் - ஊரும் பேரும், தோற்றம் மாற்றம் பற்றிய செய்திகள்
- உலகளாவிய தமிழர்கள் சிறப்பும் -பெருமையும் - தமிழ்ப் பணியும்
- தமிழ்மொழியில் அறிவியல் சிந்தனைகள் தொடர்பான செய்திகள்
- தமிழர் வணிகம் - தொல்லியல் ஆய்வுகள் - கடற் பயணங்கள்- தொடர்பான செய்திகள்
- உணவே மருந்து - நோய் தீர்க்கும் மூலிகைகள் தொடர்பான செய்திகள்
- சமயப் பொதுமை உணர்த்திய தாயுமானவர், இராமலிங்க அடிகளார், திரு.வி. கல்யாண கந்தரனார் தொடர்பான செய்திகள்

COURSE OUTCOME

- ❖ Village Administrative Officer (VAO) Officer
- ❖ Junior Assistant (Non Security)
- ❖ Junior Assistant (Security)
- ❖ Bill Collector Grade - I
- ❖ Typist
- ❖ Steno - Typist (Grade - III)
- ❖ Store Keeper in Tamizhagam Guest House, Udthagamandalam
- ❖ Junior Assistant in Tamil Nadu Urban Habitat Development Board
- ❖ Junior Assistant in Tamil Nadu Housing Board
- ❖ Bill Collector in Tamil Nadu Urban Habitat Development Board
- ❖ Steno - Typist Grade - III in Tamil Nadu Urban Habitat Development Board


HOD 31/7/2019


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Value Added course Syllabus

Department: Interior Design and Décor

Academic year: 2019 - 2020

**Class: I B.Com CA, I BBA, I B.Sc Maths,
I B.Sc Physics, I B.Sc Bio-Chemistry,
I B.Sc ND & FSM, I B.Sc Chemistry,
I BCA, I B.Sc Statistic, I B.Sc Tamil,
I B.Sc English, I B.Sc Bio-Tech.**

Hours: 33 Hrs

Year: I Year

BASICS OF INTERIOR DESIGN

Course Objective:

- To learn about types and classification of design.
- To gain knowledge about elements of design.
- To gain knowledge about principles of design.
- To acquire about the knowledge of colour theory
- To gain knowledge about the basis of lighting in interiors.

UNIT – 1

Design – Definition, meaning, purpose. Types – Structural and decorative

Design and characteristics, classification of decorative design – Naturalistic, conventional, geometric, abstract, historic, and biomorphic.

UNIT – 2

Elements of design – Line and direction, form, shape, size, colour, light, pattern, texture, and space.

UNIT – 3

Principles of design – Balance, rhythm, emphasis, harmony, proportion – meaning and its application in the interior and exterior houses and others commercial building.

UNIT – 4

Colour theory – Significance of colour in the Interiors and exteriors

UNIT - 5

Basics of Lighting – Types of lighting, Role of Lighting in Interior.

Course Outcome:

After completion of course, students will be able to

- Know about designs and types of design.
- Know the importance in elements of design in creation of new design.
- Know the importance in principles of design in creation of new design.
- Understand the importance of colour theory; know how to implement in interior.
- Acquire knowledge about lighting and its lights

Reference Books:

1. Soetharaman, P and Panna, P. Interior Design and Decoration, CBS Publishers And Distributors, New Delhi
2. Faulkner, S. and Faulkner, R. (1987), Inside Today's Home, Rinehart Publishing company, Newyork.
3. Caroline cliffenet. al., The Complete Home Decorator, Portland House New York.
4. Pratap R.M (1988), Interior Design Principles and Practice, Standard Publishers Distribution, Delhi.
5. Goldstein, Art in Everyday life, Oxford and IBH Publishing House.



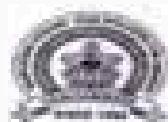
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**Marudhar Kesari Jain College for Women,
Vaniyambadi**



Value Added course Syllabus

Department: Interior Design and Décor

Academic Year: 2019 – 2020

**Class: I B.Com CA, I, II, III, B.Sc Maths,
II, III B.Sc CS, I BCA, II B.Sc Physics,
B.A. English, B.Sc Biotechnology,
I B.Sc Nutrition.FSM & Dietetics**

Hours: 33 Hrs

ARTS AND CRAFTS

Course Objective:

- To acquire knowledge of drawing.
- To enable the students to learn about painting techniques.
- To gain knowledge in paper crafts.
- To know more about painting and types.
- To enable the students to learn about recreating waste materials craft.

Unit-I

Basic Drawing -Pencil Drawing, Pen Drawing, Charcoal, Eye Brow
Pencil Drawing, Colour Pencil, Crayons, Ink Pen, Ball Point Pen,
Shading Techniques.

Unit-II

Painting techniques - oil paint, acrylic paint, fabric paint, water paint,
Tempera paint, shading techniques.

Unit -III

Paper craft- crepe paper, craft paper, mulberry paper, news paper,
origami, scrap paper, tissue paper, vellum, decoupage, Washi paper
crafts.

Unit-IV

Pot painting types, different styles of designs geometric, naturalistic,
conventional, abstract, biomorphic,

Unit-V

Waste materials craft, used bangles, paper cups, plastics cups, straw, cloths, waste cardboard, used bottles.

Course outcome:

After completion of course students will be able to.

1. Know about the value of drawing.
2. Know the importance's of painting
3. Acquire knowledge in paper craft works
4. Learn about pot painting
5. Prepare waste materials craft.

Reference Books:

1. Chambers B.G. — Colour and Design, Fashion in Men's and Women's Clothing and Furnishingsl. Prentice Hall, Inc, New York, 1951.
2. Gisela Heix, Fabric Painting, B.T.Bats ford Ltd., London, 1972.
3. Mehta R.S., Masterpieces of Indian Textiles, D.B.Taraporewala Sons and Co.Pvt.Ltd, Bombay, 1970.
4. Jasleen Dhamija, The Indian folk, Arts and crafts, National Book Trust India, New Delhi, 1992.
5. Mary Mathews, Bhattarams reprographics, Pvt.Ltd., Chennai 1974.



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**Marudhar Kesari Jain College for Women,
Vaniyambadi**



Value Added course Syllabus

Department: Interior Design and Décor

Academic Year: 2019 – 2020

Class: II B.Com, II B.Sc Maths, II B.Sc CS

Hours: 33 Hrs

Year: II Year

AUTO CAD

Course objective:

- To acquire knowledge in AutoCAD GUI.
- To gain knowledge in command using in AutoCAD.
- To enable the students to learn to draw.
- To gain knowledge in drafting settings.
- Get to know about advanced tools using in AutoCAD.

UNIT – 1

Introduction to Auto CAD – Auto CAD system requirements, AutoCAD GUI-Title bar, Menu bar, Standard tool bar, Object properties tool bar, Draw tool bar.

UNIT – 2

Modify tool bar, UCS, Layout tab, Command Entry, Status bar, Task bar, General command – New, Open, Save as, Close, Exit.

UNIT – 3

Modification tools – Erase, copy, move, scale, rotate, trim, extend, array, offset, mirror, break, stretch.

UNIT – 4

Drafting settings, function keys, text, text style, text edit, multi text, colour, line type, line weight.

UNIT - 5

Advanced tools – zoom, pan, view, solid, donut, fillet, chamfer, layering concept.

Course Outcome:

After completion of course, students will be able to

1. Learned about AutoCAD GUI.
2. To know more about command using in AutoCAD
3. Acquire knowledge in modification tools.
4. Understand more about drafting setting
5. Acquire more knowledge about advantages in AutoCAD

Reference Books:

1. Teach Yourself Auto CAD, GIBBS, BPE Publication New Delhi.
2. Inside Auto CAD.
3. Omura, G. 2005, Mastering Auto CAD 2005 and Auto CAD LT 2005, BPB Publications, New Delhi.
4. Saxena, S. (2003), A first Course in Computers, Vikas Publishing house, New Delhi.



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Value Added Syllabus

Department	: Computer Science & Computer Applications	Academic Year	: 2019-2020
Class	: Physics, English, Maths, Biotech		
Course Name	: HTML	Hours	: 33

Objective :

To introduce the fundamentals of Internet, and the principles of web design.

- To construct basic websites using HTML and Cascading Style Sheets.
- To build dynamic web pages with validation using Java Script objects and by applying different event handling mechanisms.
- To develop modern interactive web applications using PHP, XML and MySQL.

UNIT-I: INTRODUCTION

HTML Introduction – Editors - Basics: Headings, Paragraph, Link, Image, Commands - HTML Elements - HTML Attributes - HTML Horizontal Rules - List.

UNIT-II: HTML STYLES

Text Color - HTML Font Families - Text Size - Text Alignment - Background Color - Formatting Elements - Quotations - Computer Code Elements - HTML Colors.

UNIT -III: CSS

Introduction - CSS Types - CSS Fonts - CSS Border – Padding - CSS Margin -Class Attributes - ID Attributes.

UNIT- IV: HTML Tables

Tables - Tables with Border Attribute - Tables with Collapsed Borders - Tables with Cell Padding - Table with Border Spacing - Table with Heading and Captions.

UNIT-V: HTML FORMS

Text box, Buttons, Check Box, Combo Box, Radio Button, Scroll Bar, Layout, Responsive Web Design.

Outcome:

At the end of this course, the students will be able to

1. Describe the concepts of World Wide Web, and the requirements of effective web design.
2. Develop web pages using the HTML and CSS features with different layouts as per need of applications.
3. Use the JavaScript to develop the dynamic web pages.
4. Construct simple web pages in PHP and to represent data in XML format.
5. Use server side scripting with PHP to generate the web pages dynamically using the database connectivity.

L. Hemalatha
HOD
27.7.19

T. Prabhakaran
PRINCIPAL



Value Added Syllabus

Department: Biochemistry

Academic Year: 2019-2020

Class: II B.Sc Chemistry, Physics A & B, Maths & B.COM

Course Name: Medicinal Plants

Hours: 33 Hours

Objective:

- To create optimum awareness and interest amongst the common people about Medicinal Plants
- To identify the plants to be conserved/cultivated in-situ at the different regions and those to be cultivated /conserved in the fields (Ex-situ).
- Cultivation of some medicinal plants which fair well only in the forest ecosystem as inter-cropping in and around the forest areas.

UNIT I

General systems of Indian medicine- Siddha, Ayurvedha, Unani - properties & uses.

UNIT II

Importance of medicinal plants- Vinca rosa & Eclipta alba.

UNIT III

Importance of medicinal plants- Rauwolfia serpentina & Phyllanthus emblica.

UNIT IV

Medicinal uses of greens.

UNIT V

Medicinal uses of fruits.

Reference Books:

- Verma, Plant Physiology, Athena Academic Publishers, 2015
- Dr. V. K. Jain Fundamentals of Plant physiology, S Chand Publishers 2016

Outcome:

- To cultivate through organic farming and develop standardization
- To conserve the bio-diversity of Medicinal Plants

P. M. A.
HOD
29/10/20

T. 29/10/20
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for Women
Vaniyambadi - 635 751



Marudhar Kesari Jain College for Women, Vaniyambadi

26
Years of
Education

Value Added Course Syllabus

Department: Biotechnology

Academic Year: 2019-2020

Class : II UG

Subject: Food Science

Hours : 33

Objectives:

- To acquire knowledge about food preservation.
- To know about contamination and spoilage of food.

UNIT-I

Food Preservation – Salting, Pickling, Smoking, Freezing, Dehydration, Canning, Additives, Microwave Processing and Refrigeration

UNIT-II

Fermented foods-Cheese, Yoghurt and Sauerkraut

UNIT-III

Alcoholic Beverages -Beer, Wine-types

UNIT-IV

Baking products -Cereals & Pulses –Baking Food-Bread& Cake

UNIT-V

Contamination and Spoilage of food.

Course outcome:

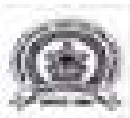
To acquire knowledge in Importance of Food preservation and Baking products.

Reference:

Handbook of food preservation. Edited by M. Shafiur Rahman. 2nd ed. Boca Raton, CRC Press, c2007. 1068 p. Includes bibliographical references.

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Marudhar Kesari Jain College for Women, Vaniyambadi
Department of Commerce
Value Added Syllabus



Course Name: TALLY ERP 9.0

Academic Year: 2019 - 2020

Class: III B.Com, II M.Com, III B.Sc.Maths

Hours : 40 Hrs

Course Objectives:

1. To impart knowledge regarding Methods of Accounting.
2. To have practical knowledge on Bank Reconciliation Statement.
3. To be able to understand Cost Center and cost Category and Budget.
4. To be able to understand Order Processing and Tracking system.
5. To gain Knowledge on Consolidation of accounts by using Tally.

Unit-I

Introduction – Tally versions – Book keeping- Methods of Accounting- Types of Accounting- Golden rules of Accounts-Groups-Ledger.

Unit -II

Accounting voucher- Accounts Info –Inventory Info – Printing-Bank Reconciliation Statement - Bill wise details.

Unit -III

Cost Center and cost Category- Job Costing-Multicurrency-Interest calculation- Voucher Types and Voucher class-Budget and Credit Limit

Unit -IV

Scenario– Management-Order Processing and Tracking system-Reorder level and Status-Batch wise details – Bill of material-rise List- Different actual and billed quantity.

Unit -V

Consolidation of accounts- Split company Data-Backup and restore-Security control and Tally audit –Tally Vault-Import and Export- Concurrent Multilingual support-Point of Sales(POS).

Course Outcome:

1. The students will be able to understand the Methods of Accounting
2. Student by their own will create company, enter accounting voucher entries including
3. Advance voucher entries; Bank Reconciliation statements, Print financial statements, etc. in Tally ERP.9 software.
4. The students will able to understand Cost Center and cost Category and Budget.
5. The students will be able to gain knowledge about Order Processing and Tracking system.
6. Students gain Knowledge about Consolidation of accounts
7. After successfully qualifying practical examination, students will be awarded Certificate to work with well-known accounting software i.e. Tally ERP.9

W. S. J.
18/8/2019
HOD

T. S. J.
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Marudhar Kesari Jain College for Women, Vaniyambadi
Department of Statistics
Value Added Syllabus



Course Name: Basic Statistics

Academic Year :2019-2020

**Class : I BCA, I B.Sc Maths, I BA English,
I B.com, I B.Sc CS**

Hours :33 Hrs

**Handled By: K.Rajeswari
K.Sulochana**

Course Objective:

- To learn about Basics of Data.
- To gain knowledge of Diagrams and graphs.
- To learn about Averages
- To learn about Measures Dispersion
- To learn concept of Probability

Unit - I

COLLECTIONS OF STATISTICAL DATA

Introduction of Statistics -Collection of Data-Classification of Data- Primary data-
Secondary Data -Tabulation of Data

Unit -II

DIAGRAMMATIC & GRAPHICAL PRESENTATION

Simple Bar Diagrams -Multiple Bar Diagrams- Subdivided Bar Diagrams- Percentage
Bar Diagrams, Pie Diagram-Single Pie Diagrams-Double Pie Diagrams- Histogram-Frequency
Polygon-Frequency Curve- Ogive Curve - Lorenze Curve

Unit -III

AVEARGES

Mean-Median-Mode-Geometric Mean-Harmonic Mean

Unit –IV

MEASURES OF DISPERSION

Range-Quartile Deviation-Mean Deviation- Standard Deviation.

Unit –V

PROBABILITY

Probability - Random experiment-Events-Sample space-Simple Problems.

Course Outcome:

- The students will be able to know methods of data collection, various techniques of Diagram & graphs
- The students will be able to know the concept of Averages, Dispersion and probability.


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Department	: Computer Science & Computer Applications	Academic Year : 2019-2020
Class	: BCOM CA, BCOM, IDD, Physics, Maths, Biotech, Chemistry, ND	
Course Name	: Photoshop	Hours : 33

Objective :

- To learn about Adobe Photoshop CC interface and work with menus, tools and panels
- To learn how to open, crop, transform and edit existing images
- To learn how to apply advance editing features to enhance photos
- To learn working with text and formatting tools and panels
- To learn how to add multiple images to create a collage

UNIT I

Photo Effects- Decolouring, Changing cloth texture and pattern, Changing background, Applying soft light effect-Photo Retouching- Colour correction,

UNIT II

Blending Images, smooth skin effects, adding blur effects to background. Converting black and white photo to colour photo.

UNIT III

Text Effect-Creating Metallic text, Shining text, Illumines text, transparent glass text, Marquee, Digital banner-Image Editing -Creating simple Images-Editing – resize, change colour depth, resolution, file format, brightness, add and edit layer style,

UNIT IV

Add text-Stitch and edit two images into single using selection, Lasso and clone stamp tools (masking). Web Graphics-Creating a gif image using image ready for web-Create a web navigation Image

UNIT V

Animation : Text:-Text floating into screen from outside the screen-Animated Banner using image ready/any other software-Fade in fade out banners. Animation : Image:Animated lightening strike-Mobile wall paper-icon animation-Create a digital clock Animation.

Outcomes:

- Perform basic to intermediate image correction to existing images
- Enhance images using advance editing tools to create magazine covers
- Work with the Type tools and panels to type, insert and manage text
- Work with layers and masks to manage your projects efficiently
- Create composite images using multiple images

L. Hemalatha

S.D. 27/7/19
HOD

T. P. 20/7/19

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Value Added Syllabus

Department	: Computer Science & Computer Applications	Academic Year	: 2019-2020
Class	: Physics, Chemistry, ICOM, ND, Biotech, Tamil, Maths		
Course Name	: Ms-Office	Hours	: 33

Objective :

To enable the students to study MS Office and to enrich the practical knowledge in MS Office.

Unit I

MS Word- Introduction, starting MS Word, Standard menus-file, edit, view, Formatting a text, layouts, inserting a diagram, graph, page numbers, borders, bullet & numbering.

Unit II

Spelling and grammar, letter and mailing, mail merge, tables and its applications. MS Excel- Introduction, starting MS excel, creating a worksheet, page setup.

Unit III

Print area, paste special, formula. Insert & formatting- cells, rows, columns and sheets. Functions, hyperlink, pivot charts, sorting, filters.

Unit IV

Header and footers, formula bars, status bar, options and its application. MS Power point- Introduction, power point file types, creating a presentation, using color schemes.

Unit V

Viewing a presentation, managing slide shows, adding pictures, transition effects, animations, action setting and action buttons and its application.

Outcome:

After successful completion of this course, students will be

- Able to perform documentation and presenting skills.
- Proficient in using Windows, Word Processing Applications, Spreadsheet Applications,
- Database Applications and Presentation Graphics Applications.

L. Hemataha
S. A. G.
HOD 20/7/2019

T. P. S.
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MARUDHAR KESARI JAIN COLLEGE FOR WOMEN



PG & RESEARCH DEPARTMENT OF PHYSICS

VALUE ADDED SYLLABUS

Course Title : Nano Science **Academic Year** : 2019-2020

Class : I M.Sc Physics, I MCA & I M.Sc Bio Chemistry

Subject Handled by : Ms. R. Yogalakshmi

Hours : 32 HRS

Learning Objectives:

- To understand the basic of Nanoscale systems and its principles.
- To study the properties of Nanoscience.
- To explain the synthesis of Nanostructure Materials.
- To understand Basics Concept of Etching Technologies.
- To study the Applications of Nanotechnology.

Unit-I

Nanoscale Systems

Introduction to Nanoscale- Size- Dependent Properties- Principle of Top- Down and Bottom- Up Approaches.

Unit-II

Properties

Reason for Change in Optical Properties- Electrical Properties and Mechanical Properties.

Unit-III

Synthesis Of Nanostructure Material

Gas Phase Condensation- Vacuum Deposition- Physical Vapor Deposition (PVD)- Chemical Vapor Deposition.

Unit-IV

Etching

Etching Technologies Wet and Dry Etching- Photolithography- Ion Beam Lithography- Dip-Pen Nanolithography.

Unit-V


Applications of Nanotechnology

Applications- Food- Industry- Medicine;

Course Outcomes

- After studied unit-1, the student will be able to know the nanoscale systems and its properties.
- After studied unit-2, the student will be able to explain properties of Optical, Electrical and Mechanical.
- After studied unit-3, the student will be able to explain condensation and deposition of nano materials.
- After studied unit-4, the student will be able to understand the types of etching Technologies.
- After studied unit-5, the student will be able to understand the applications of nanotechnology.


HOD 24/7/19


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Marudhar Kesari Jain College for Women, Vaniyambadi
Value Added Syllabus



Department : Biochemistry
Class: III B.Sc Biochemistry
Course Name: Medical Laboratory Technology

Academic Year: 2019-2020
Hours: 33 Hours

Objective:

- Understand, describe and integrate the basic theoretical and practical aspects of Pathology, Microbiology and Clinical Biochemistry.
- Understand and demonstrate all essential characteristics of a good lab technician and should apply all universal precautions of medical lab technology.
- Understand and describe the basic blood bank procedures.

Unit I

Blood & its Complications

Unit II

Anemia and its types

Unit III

Diabetes Mellitus: Types, Causes, Symptoms & Treatment

Unit IV

Jaundice & its Clinical importance

Unit V

Normal values of Biological Molecules

Reference Books:

- 1.D M Vasudevan, (2011),Text book of Medical Biochemistry,6th edition Jaypee Publishers
2. M N Chatterjea & Rana Shinde,(2012),Text book of Medical Biochemistry,8th edition, Jaypee Publications
3. Singh & Sahni,(2008),Introductory Practical Biochemistry,2nd edition, Alpha science

Outcome:

- Students will learn the differential diagnosis.
- Appropriate diagnostic evaluation of common hematologic abnormalities.

R. Manoj
HOD 26/7/2019

T. P. 26/7/19
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Subject Name : Textile Chemistry

Academic year:2019-2020

Class : II UG

Hours :33

Objective:

- To impart knowledge about the Production, Properties and Applications of Natural and Synthetic Fibres, Colour and Constitution, Classification of Dyes and Concept of Dyeing in Textile Industry.

UNIT – I

(6 Hours)

- 1.1 General Classification of Fibres – Chemical structure – Production – Properties – Count, Denier, Tex, Staple Length, Spinning Properties, Strength, Elasticity and Creep.
- 1.2 Applications of the following Natural Cellulose Fibres (Cotton and Jute).
- 1.3 Natural Protein Fibres (Wool and Silk) – General characteristics.

UNIT – II

(7 Hours)

- 2.1 Chemical Structure, Production and properties of the following Synthetic Fibres - Man- made Cellulose Fibres (Rayon and Modified cellulose fibres).
- 2.2 Polyamide Fibres (Different types of Nylons) - Preparation - Nylon degradation - Polyester Fibres - Preparation - Degradation - Polyacrylonitrile fibre - Preparation and Properties - Viscose fibre - Preparation and Properties.
- 2.3 Identification tests for Cellulose, Cotton, Wool, Silk, Rayon, Acrylic, Viscose, Polyamide and Polyester Fibres.

UNIT – III

(7 Hours)

- 3.1 Impurities in Raw Cotton and Grey Cloth, Wool and Silk.
- 3.2 General principles of the Removal, Scouring - Purpose, Alkali Scouring and Acid Scouring - Bleaching (Methods - Hypochlorite, Peroxide and Bleaching Powder) - Desizing (Hydrolytic and Enzymatic), Kier Boiling and Chemicking.

3.3 Dyeing of Polyester and Blends – Functions of Dispersing agents - Fibre swelling – Carrier dyeing - High temperature dyeing - Selection of dyestuff.

UNIT – IV

(7 Hours)

4.1 Colour and Constitution – A general treatment – Chromophores – Auxochromes – Bathochromes and Hypsochromes.

4.2 Classification of dyes – Acidic, Basic, Direct, Mordant, Azoic, Ingrain, Vat and Reactive Dyes - Classification as per Chemical constitution – Azo dyes – Triphenyl Methane Dyes, Phthalein Dyes, Indigo and Anthraquinone Dyes.

4.3 Structure, Preparation and Uses – Methyl Orange, Phenolphthalein and Malachite Green.

UNIT – V

(6 Hours)

5.1 Dyeing - Dyeing of Wool and Silk – Fastness properties of dyed materials.

5.2 Dyeing of Nylon, Terylene and other Synthetic Fibres – Finishing – Finishes given to Fabrics – Mechanical finishes on Cotton, Wool and Silk.

5.3 Method used in process of Mercerizing – Anticrease and Antishrink finishes – Water Proofing.

COURSE OUTCOMES :

- 1.After completing unit I the students will be able to know about the Fibre,wool and silk.
- 2.After completing unit II the students will be able to know about the chemical structures,properties and synthesis of fibres .
- 3.After completing unit III the students will be able to know about the general properties dyeing.
4. After completing unit IV the students will be able to know about dyes and its classification.
5. After completing unit V the students will be able to know the method used in mercerizing.


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MARUDHAR KESARI JAIN COLLEGE FOR WOMEN, VANIAMBADI

DEPARTMENT OF MATHEMATICS



Value Added Course 2019-2020- Syllabus

Subject Name : Intelligence and Aptitude Test

Class : II UG (33 Hours)

Objectives:

- To Educate Basics of Blood Relation, Sitting Arrangement.
- To Gain Knowledge of Direction Test and Mental Ability.
- To study about Time and Work ,Time and Distance .
- To Learn about Permutations and Combinations.
- To attain ideas of Venn Diagram , Non-verbal Test.

UNIT I

Sitting Arrangement, Blood Relation

UNIT II

Direction Test and Mental Ability.

UNIT III

Time and Work ,Time and Distance

UNIT IV

Permutations and Combinations, Logical Venn Diagram

UNIT V

Non-verbal Test, Arithmetical Problems

Reference Book

Quantitative Aptitude - Dr.R.S.Aggarwal , S.Chand & Company LTD

Course Outcomes

1. After Completing unit I, the students gained the knowledge about Sitting Arrangement, Blood Relation.
2. After Completing unit II, students will be able to understand the concept of Direction Test and Mental Ability
3. After Completing unit III, the students will be able to know about Time and Work, Time and Distance Numbers.
4. After Completing unit IV, the students will be interoperated the knowledge of Permutations and Combinations, Logical Venn Diagram
5. After Completing unit V, the students will come to know about the concepts of Non-verbal Test, Arithmetical Problems

[Signature]
27/7/19.
HOD

[Signature]
27/7/19.
Principal
Manushi Kesan Jain College
for Women
Varanasi - 635 751.



MARUDHAR KESARI JAIN COLLEGE FOR WOMEN, VANIYAMBADI



DEPARTMENT OF NUTRITION FSM & DIETETICS

VALUE ADDED SYLLABUS

Course Title : Food Adulteration

Academic Year : 2019-2020

Class : I B.Sc

Subject Handled by : Ms. M.Hajira kouser

Hours : 33 HRS

LEARNING OBJECTIVES

- To educate students about common food adulterants and their detection.
- To introduce students to food safety and standardization acts.
- To make students skilled in food adulteration testing and analytical instrumentation.

UNIT I

Food adulteration, types of adulterants.

UNIT II

Adulteration of food with colour- incidental adulterants.

UNIT III

Food laws, Roles & Duties of food authority.

UNIT IV

Food standards & regulation agencies- CCFS, CFL.


International Standards.


UNIT V

HACCP- Background, Principle, Benefit & Limitation

COURSE OUTCOMES

- After successful completion of the course, students will be able to the adulteration of common foods and their adverse impact on health extend their knowledge of detecting other kinds of adulteration.


HOD 30/07/20


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DEPARTMENT OF NUTRITION FSM & DIETETICS

VALUE ADDED SYLLABUS

Course Title : Hospital Administrative Academic Year: 2019-2020
Class : HILSe
Subject Handled by : Ms. N Pragathi Hours : 33 HRS

LEARNING OBJECTIVES

- It aware of contemporary advances & developments in medical sciences as related to the subject of hospital administration.
- Has acquired the competencies pertaining to management science in general and hospital administration in particular for the purpose of application in the hospital and health services, that are required to be practiced in the community and at all levels of health system.

UNIT - I

Definition and Importance of planning in hospital management.

UNIT - II

Organization and management process.

UNIT - III

Supply chain management.

UNIT - IV

Health care and hospital environment.


UNIT - V

Quality management in hospital.

COURSE OUTCOMES

- General Administration and Management of Hospital.
- Health Administration and Medical Care.
- Hospital Administration and Hospital Planning.
- Administration of Clinical and Non-Clinical Services.

R. Neelakanta
100 30/7/23


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Marudhar Kesari Jain College for Women, Vaniyambadi
Department of Business Administration
Value Added Syllabus



Course Name: TRAINING AND DEVELOPMENT

Class : II UG

Handled By : Sheela.D, Vidhyashree.S

Academic Year : 2019-2020

Hours : 33 Hr

Course Objective :

- To learn about understanding of Role of Training in the HRD.
- To gain knowledge of Depth of understanding Techniques.
- To learn about Job Retention
- To learn about Career Planning
- To learn concept of Responsibilities and Challenges to Training Managers

Unit - I

Concepts of Training and development – Identifying Training Needs – Structure and Functions of Training Department – Evaluation of Training Programme – Role, Responsibilities and Challenges to Training Managers.

Unit –II

Techniques of on the job training – Coaching – Apprenticeship – Job Rotation – Job Instruction Training – Training by Supervisors – Techniques of off the job Training, Lecturers, Conferences, Group Discussion.

Unit –III

Concept of Career – Career Stages – Career Planning – Need – Importance - Steps in Career Planning – Career Development – Characteristics – Need - Methods of Career Planning and Development.

Unit –IV

Management Development – Meaning – Definition – Need and importance of Management Development – Characteristics - Levels – Management Development Process and Components of MD Programme.

Unit –V

Need for Training in India – Government Policy on Training – Training Institutes in India – Management Development Institute.

Course Outcome:

- *The purpose of this paper is to provide and in-depth understanding of the role of Training in theHRD .*
- *To enable the course participants to manage the Training systems and processes*



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Department/Year: English /II UG
Course Name : Journalism

Academic Year: 2019- 2020
Hours: 34

Objective:

1. To acquire the basic knowledge of the daily life.
2. Grasp meaning of words and sentences.
3. Acquire the ability to use a suitable dictionary.
4. Put ideas in proper sequence.
5. Use correct grammatical items.
6. It encourages good manners, especially writing.

Unit-I

News

- What is news?
- Different types of News
- Head lines

Unit-II

Editor

- Duties of Editor
- Duties of Sub- Editor
- Language and style

Unit-III

Reporter

- Duties of Reporter
- Proof Reading

Unit-IV

Editing

- Design & Makeup
- Picture editing & Captions

Unit-V

Skills Development

- Self Introduction
- E-Mail Writing
- Report writing
- Book Review

Outcome:

1. To gain the knowledge of basic skills.
2. To know how to use the correct form of Grammar in daily life.
3. To explore different forms of communication from the past and the present.



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DEPARTMENT OF ENGLISH
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Vellore District



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VALUE ADDED SYLLABUS

Course Title : Medical Physics Academic Year : 2019-2020

Class : III B.Sc Physics, III B.Sc Nutrition FSM & Dietetics,
III B.Sc Bio Chemistry & III BA English

Subject Handled by : Ms. A. Jayathsenayai

Hours : 33 HRS

Learning Objectives:

- To have a fundamental knowledge about the characteristics and production of X-rays.
- To understand the concept of radiation physics.
- To have a clear understanding of the design and working of Medical imaging techniques.
- To understand the concepts and ideas behind radiation therapy.
- To gain knowledge about the protective measures in radiation therapy.

UNIT- I

X - RAYS

Electromagnetic spectrum, production of x-rays, x-ray spectra-Bremsstrahlung, Characteristic x-ray- Coolidge tube, x-ray tube design, tube cooling stationary mode, Rotating anode x-ray tube, Tube rating, quality and intensity of x-ray.

UNIT- II

RADIATION PHYSICS

Radiation units exposure, absorbed dose, units: rad, gray, relative biological effectiveness, effective dose, inverse square law- Interaction of radiation with matter Compton & photoelectric effect, Rem & Sievert, linear attenuation coefficient.

UNIT- III

MEDICAL IMAGING PHYSICS

Evolution of Medical Imaging, X-ray diagnostics and imaging, Physics of nuclear magnetic resonance (NMR), Physics of Doppler with applications and modes, Vascular Doppler. Radiography; Filters, grids, cassette, X-ray film, film processing, Thyroid uptake system and Gamma camera (only Principle, function and display).

UNIT- IV

RADIATION THERAPY PHYSICS

Diagnostic nuclear medicine: Radiopharmaceuticals for radioisotope imaging, Single photon and positron emission tomography- Therapeutic nuclear medicine: Interaction between radiation and matter -Dose and isodose in radiation.

UNIT- V

RADIATION PROTECTION

Principles of radiation protection, protective materials - radiation effects, somatic, genetic stochastic and deterministic effect. Personal monitoring devices: TLD film badge - Pocket dosimeter, OSL dosimeter - Steps to reduce radiation to Humans.

Course Outcomes

- After studying Unit 1, the student will have a clear idea about the fundamentals of the production and characteristics of X-rays.
- After studying Unit 2, the student would have understood the concept of radiation units and radiation detectors.
- After studying Unit 3, the student will have a clear understanding of the design and working of Medical imaging techniques and computer tomography scanner.
- After studying Unit 4, the student will be having a thorough understanding about the diagnostic nuclear medicine and some medical instrumentation.
- After studying Unit 5, the student would have gained adequate knowledge about the protective measures to be undertaken in radiation therapy.


HOD 20/11/19


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Marudhar Kesari Jain College for Women, Vaniyambadi
Department of Business Administration
Value Added Syllabus



Course Name : BUSINESS COMMUNICATION

Class : III UG

Handled By : Archana.D, Swarnalakshmi.R

Academic Year : 2019-2020

Hours : 33 Hr

Objectives:

To enable the students understand the significance of communication particularly in the field of sales and its executions, claims and adjustments.

Unit-I

Meaning and importance of Business Communication - Methods of Communication - Types of Communication - Communication Process - Objectives of Communication - Principles of Effective Communication.

Unit-II

Business letters - Structure of a letter - Qualities of a good business letter - Business enquiries - Offer and Quotations - Orders - Execution of orders - Cancellation of orders - Letters of Complaints - Collection letters.

Unit-III

Circular Letters - Bank correspondence - Insurance correspondence - Letters to the Editor - Application for Situations.

Unit-IV

Correspondence of a Company Secretary - Preparation of Agenda and Minutes - Annual Reports.

Unit-V

Communication media - Telephone, Telex, Fax, Internet, E-Mail, Video Conferencing and CellPhones.

Course Outcome:

- *The purpose of this paper is to provide and in-depth understanding the significance of communication*
- *To enable the course participants to manage the effective Co-ordination To enable the course participants to manage the claims and adjustments.*

Text Books:

1. Sundar - Principles of Management –Vijay Nicole Private Limited
2. Dr.C.D. Balaji –Principles of Management –Margham Publications


Books for Reference:

1. N.S. Raghunathan & B. Santhanam, Business Communication, Margham Publications
2. Rajendra Pal and Korichalli - Essentials of Business Communication
3. Sundar K- Business Communication, Vijay Nicole Imprints (P) Ltd.,

Books for Reference:

1. Ramesh M. S. Pattan Shetty - Effective Business English and Correspondence
2. Guffey - Essentials of Business Communication
3. Gart Side L. - Modern Business correspondence.


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MARUDHAR KESARI JAIN COLLEGE FOR WOMEN, VANTIYAMBADI



DEPARTMENT OF MATHEMATICS

Value Added Course 2019-2020- Syllabus

Subject Name : Problem Solving Techniques

Class : III UG (33 Hours)

Objectives:

- o To Learn about Blood Relation, Sitting Arrangement.
- o To attain the ideas of Direction Test and Mental Ability.
- o To study about Time and Work ,Time and Distance .
- o To Educate Basics of Permutations and Combinations.
- o To Gain Knowledge Venn Diagram , Non-verbal Test.

UNIT I

Data Analysis , Arithmetical Problems

UNIT II

Areas and Volumes, Probability.

UNIT III

Dice and Cubes, Deductive Reasoning

UNIT IV

Implicit Assumption

UNIT V

Strong and Weak Argument, Competitive Based Questions

Reference Book

Quantitative Aptitude - Dr.R.S Aggarwal , S.Chand & Company LTD

Course Outcomes

1. After Completing unit I, the students will be able to know about Data Analysis .

Arithmetical Problems.

2. After Completing unit II, the students will come to know about the concepts of

Areas and Volumes, Probability .

3. After Completing unit III, the students will be able to understand the concept of

Dice and Cubes, Deductive Reasoning.

4. After Completing unit IV, the students will be interoperated the knowledge of Implicit

Assumption

5. After Completing unit V, the students gained the knowledge of Strong and Weak

Argument, Competitive Based Questions

Dr. 27/1/19.
HOD

V. R. 20/1/19

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**MARUDHAR KESARI JAIN COLLEGE FOR WOMEN,
PG DEPARTMENT OF COMMERCE CA
VALUE ADDED SYLLABUS**



Course Name: General Commercial Knowledge

Academic Year: 2019-2020

Class : II ID, II B.Com 'A' & 'B', II Maths 'A'

Hours: 33 HRS

Objectives:

- To enable the students to gain basic knowledge of Trade, Commerce and Industry.

UNIT-I

Commerce, Trade, Industry – Meaning – Scope and Importance of Commerce – Economic Basis of Commerce.

UNIT-II

Forms of Business Organizations – Sole Trade – Partnership Features – Merits and Demerits

UNIT-III

Joint Stock Company – Features – Memorandum and Articles – Contents – Prospectus and Contents – Types – Co-operatives – Features – Types – Advantages.

UNIT-IV

Management of Joint Stock Company – Directors – Qualification, Appointment, Removal, Powers and Duties.


UNIT-V

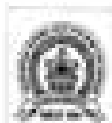
Company Meetings – Types – Minutes – Agenda – Quorum – Resolution.

Course Outcomes

- The students will understand the concept of commerce and its scope.
- The students will be able to understand the various types of business.
- The students will understand the statutory requirements of company registration.
- The students will understand the qualification of executives of a company.

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Marudhar Kesari Jain College for Women, Vanliyambadi
Department of Commerce
Value Added Syllabus

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Course Name: UGC NET Paper I Coaching
Class: II MLSc (Physics) I M.COM, I MLSc (Maths)
I MLSc (ND), I MLSc (CS) I M.Com (CA) III MCA

Academic Year: 2019-2020
Hours: 33 Hrs

Course Objective:

1. To help the students to understand the Teaching Concept and Aptitude
2. Make the Students to gain knowledge on and Research Aptitude, comprehension and Communication.
3. To help the students to understand the mathematical and logical reasoning
4. To guide the students on data interpretation, information and Communication Technology.
5. To gain knowledge about People development and environment, Higher Education system
6. To train the students in order to face the UGC/NET, and other competitive Examination.

Unit-I Teaching Aptitude

Teaching: Concept, Objectives, Levels of teaching (Memory, Understanding and Reflective), Characteristics and basic requirements.

Learner's characteristics: Characteristics of adolescent and adult learners (Academic, Social, Emotional and Cognitive), Individual differences.

Factors affecting teaching related to: Teacher, Learner, Support material, Instructional facilities, Learning environment and Institution.

Methods of teaching in Institutions of higher learning: Teacher centred vs. Learner centred methods; Off-line vs. On-line methods (Swayam, Swayam prabha, MOOCs etc.). Teaching Support System: Traditional, Modern and ICT based.

Evaluation Systems Elements and Types of evaluation, Evaluation in Choice Based Credit System in Higher education, Computer based testing, Innovations in evaluation systems.

Unit-II Research Aptitude

Research: Meaning, Types, and Characteristics, Positivism and Post-positivistic approach to research. Methods of Research: Experimental, Descriptive, Historical, Qualitative and Quantitative methods. Steps of Research. Thesis and Article writing: Format and styles of referencing. Application of ICT in research. Research ethics.

Unit-III Comprehension

A passage of text be given. Questions be asked from the passage to be answered.

Unit-IV Communication

Communication: Meaning, types and characteristics of communication. Effective communication: Verbal and Non-verbal, Inter-Cultural and group communications, Classroom communication Barriers to effective communication. Mass-Media and Society.

Unit- V Mathematical Reasoning and Aptitude

Types of reasoning. Number series, Letter series, Codes and Relationships. Mathematical Aptitude (Fraction, Time & Distance, Ratio, Proportion and Percentage, Profit and Loss, Interest and Discounting, Averages etc.).

Unit-VI Logical Reasoning

Understanding the structure of arguments: argument forms, structure of categorical propositions, Mood and Figure, Formal and Informal fallacies, Uses of language, Connotations and denotations of terms, Classical Square of opposition. Evaluating and distinguishing deductive and inductive reasoning. Analogies. Venn diagram: Simple and multiple use for establishing validity of arguments. Indian Logic: Means of knowledge. Pramanas: Pratyaksha (Perception), Anumana (Inference), Upamana (Comparison), Shabda (Verbal testimony), Arthapatti (Implication) and Anupalabdhi (Non-apprehension).

Unit-VII Data Interpretation

Sources, acquisition and classification of Data, Quantitative and Qualitative Data. Graphical representation (Bar-chart, Histograms, Pie-chart, Table-chart and Linechart) and mapping of Data. Data Interpretation. Data and Governance.

Unit-VIII Information and Communication Technology (ICT)

ICT: General abbreviations and terminology. Basics of Internet, Intranet, E-mail, Audio and Video-conferencing. Digital initiatives in higher education. ICT and Governance.

Unit-IX People, Development and Environment

Development and environment: Millennium development and Sustainable development goals. Human and environment interaction: Anthropogenic activities and their impacts on environment. Environmental issues: Local,

Regional and Global; Air pollution, Water pollution, Soil pollution, Noise pollution, Waste (solid, liquid, biomedical, hazardous, electronic), Climate change and its Socio-Economic and Political dimensions. Impacts of pollutants on human health. Natural and energy resources: Solar, Wind, Soil, Hydro, Geothermal, Biomass, Nuclear and Forests. Natural hazards and disasters: Mitigation strategies. Environmental Protection Act (1986), National Action Plan on Climate Change, International agreements/efforts -Montreal Protocol, Rio Summit, Convention on Biodiversity, Kyoto Protocol, Paris Agreement, International Solar Alliance.

Unit-X Higher Education System

Institutions of higher learning and education in ancient India. Evolution of higher learning and research in Post Independence India. Oriental, Conventional and Non-convention all earning programmes in India. Professional, Technical and Skill Based education. Value education and environmental education. Policies, Governance, and Administration.

Course Outcome:

1. The Student will be able to understand the Teaching and Research Aptitude.
2. Students gain knowledge on comprehension and communication.
3. Students understand the mathematical and logical reasoning
4. The Students gain the knowledge on data interpretation, information and Communication Technology.
5. Students understand the People development and environment, Higher Education system.
6. UGC NET coaching can be most helpful for the preparation of NET Examination Paper-I.


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Department / Year : English / I&II PG
Course Name : Research Methodology

Academic Year: 2019-2020
Hours: 34

Objective:

1. A wide exposure in publishing a research paper.
2. Understand some basic concepts of research and its methodology identify appropriate topics.
3. Select and define appropriate research problem and parameters.

Unit-I

Research Methods

- Define Research
- Types of research
- Concept of Research

Unit-II

Mechanics of Writing

- Punctuation

Unit-III

Selection of Topic

- Interest
- Ethical considerations
- Novelty
- Research Endorsement

Unit-IV

Plagiarism

- Definition
- Types of plagiarism
- Why is plagiarism unethical?
- How to avoid plagiarism?

Unit-V


Documentation

- Citation

Outcome:

1. A methodology details a researcher's approach to the research to ensure reliable, valid results that address their aims and objectives
2. A methodology details a researcher's approach to the research to ensure reliable, valid results that address their aims and objectives.


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MARUDHAR KESARI JAIN COLLEGE FOR WOMEN,VANIYAMBADI



DEPARTMENT OF MATHEMATICS

Value Added Course 2019-2020- Syllabus

Subject Name : CSIR PART A COACHING

Class : I PG & II PG (33 Hours)

Objectives:

- To Educate Basics on Percentages, Profit and loss.
- To Gain Knowledge on Time and Work ,Time and Distance
- To Learn about Simple & Compound interest.
- To attain ideas of Area and Volumes, Blood Relation.
- To study about Data Interpretation

UNIT I

Percentages, Profit and loss

UNIT II

Ratio and Proportion, Time and Work ,Time and Distance

UNIT III

Simple and Compound Interest ,Probability

UNIT IV

Area and Volumes, Blood Relation

UNIT V

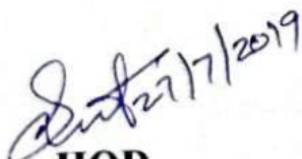
Coding and Decoding, Sequencing ,Data Interpretation

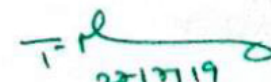
Reference Book

Quantitative Aptitude- Dr.R.S.Aggarwal, S.Chand & Company LTD

Course Outcomes

1. After Completing unit I, the students will be able to know about Percentages, Profit and loss
2. After Completing unit II, the students will come to know about the concepts of Ratio and Proportion, Time and Work ,Time and Distance
3. After Completing unit III, the students will able to understand the concept of Simple and Compound Interest ,Probability
4. After Completing unit IV, the students will be interoperated the knowledge of Area and Volumes
5. After Completing unit V, the students gained the knowledge of Coding and Decoding, Sequencing ,Data Interpretation


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