



W M O Arts and Science College, Muttill Wayanad, Kerala

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COURSE-WISE SEMESTER PLANS (Samples)

W M O Arts and Science College
Course-wise Semester Plan
Department of Mathematics

Semester : I semester

Semester Period : 15.11.2021-28.02.2022

Name of the paper: Linear algebra

Name of the Teacher: MINI C

Totals no. of hours prescribed as per syllabus: 90

No. of Modules: 3

Module 1

Objectives:- To get idea about vector space and Linear Transformation.

Pre requisites

Basic idea about Groups and vector space

Remedial measures if pre requisites are not satisfied

Assignment

Viva

Evaluation methods

Class Test

Assignment

Group discussion

Viva

Outcomes Expected

Students become able to know vector space and linear transformation

Number of Hours: 35

Enter the time period required to finish the module: 15.11.2021-31.12.2021

Teaching methods

Lecture methods: 75%

Group discussion/Problem solving: 15%

Power point Presentation: 10%

Module 2

Objectives: To understand the concept of linear functional and elementary canonical forms

Pre requisites: Linear algebra

Remedial measures if pre requisites are not satisfied

Assignment

Viva

Evaluation methods

Class Test

Assignment

Group discussion

Viva

Expected Outcomes

Knowledge about linear functional and elementary canonical forms

Number of Hours: 35

Enter the time period required to finish the module: 1.01.2022-31.01.2022

Teaching methods

Lecture methods: 75%

Group discussion/Problem solving: 15%

Power point Presentation: 10%

Module 3

Objectives

To learn the basic properties of inner product space

Pre- requisites: vector space .

Remedial measures if pre requisites are not satisfied

Assignment

Viva

Evaluation methods

Class Test

Assignment

Group discussion

Viva

Expected Outcomes: Students get Idea about inner product space and its application

Number of Hours: 20

Enter the time period required to finish the module: 1.02.2022-28.02.2022

Teaching methods

Lecture methods: 75%

Power point Presentation: 10%

Group discussion/Problem solving: 15%

Evaluation

Unit Tests

Test 1: 22.12.2021


Test 2: 28.01.2022

Test 3: 25.02.2022

Assignments

Assignment 1: 13.01.2022

Assignment 2: 28. 02.2022


Mini. C



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W M O Arts and Science College
Course-wise Semester Plan
Department of Mathematics

Semester : V semester BSc Mathematics

Semester Period: 5-6-2021 to 15-12-2021

Name of the paper: Theory of Equations and Abstract Algebra

Name of the Teacher: Dr. Viji Paul

Totals no. of Hours prescribed as per syllabus: 72

No. of Modules: 4

Platforms for teaching and evaluation: Google Classroom, Google Meet, YouTube, WhatsApp, Telegram

Module 1:

Objectives

- Learns the relationship between the roots and coefficients of an n th degree polynomial and an upper and lower limit for the roots of such a polynomial.
- Derive formulae for the solutions of third and fourth degree polynomial equations given by Cardan and Ferrari
- Locate the region of solutions for a general polynomial
- Learns methods to find out integral and rational roots of a general n th degree polynomial with rational coefficients

Pre-requisites

Understanding of polynomials, quadratic equations, and Algebraic operations on polynomials

Remedial measures if prerequisites are not satisfied: A class on fundamentals will be held

Evaluation methods

Class Test – July 2021

Assignment with problems of various levels

Group discussion and problem-solving sessions

Viva-voce

Expected Outcomes

Proper understanding of the topics with the ability to solve problems of higher level.

Number of Hours: 25

The time period required to finish the module: 5-6-2021 to 20-7-2021

Teaching methods

Lecture methods: 50%

Group discussion/Problem-solving: 30%

Presentations by students: 20%

Module 2:

Objectives

- Understands the abstract notion of a group, with several examples
- Learns to check whether an algebraic system forms a group or not and some fundamental results of group theory

Pre-requisites

Students must know the basic concepts of sets and relations

Remedial measures if pre-requisites are not satisfied: A class on fundamentals and group discussions will be held

Evaluation methods

Class Test – September 2021

Assignments with problems of various levels through Google Classroom

Group discussion and problem-solving sessions

Viva- voce

Expected Outcomes

Understand more about groups and the properties of groups.

Number of Hours: 23

The time period required to finish the module: 21-7-2021 to 15 -9 -2021

Teaching methods

Lecture methods: 60%

Group discussion/Problem solving: 30%

Presentation by students – 10 %

Module 3 & 4:

Objectives

- Establish the importance of permutation groups
- Explores the idea of structural similarity, the notion of cyclic group, permutation group , various examples and fundamental results in the areas

Pre-requisites

Students must know the basic concepts of groups and elementary properties
Remedial measures if pre-requisites are not satisfied.

Propose additional assignments
Group discussion among students

Evaluation methods

Class Test – November 2021
Assignment – 2 Nos
Group discussion and group sessions
Viva – voce

Expected Outcomes

To know more about groups, permutations, rings and integral domains.

Number of Hours: 32

The time period required to finish the modules: 16-9-2021 to 15-12-2021

Teaching methods

Lecture methods: 60%
Group discussion/Problem solving: 20%
Presentation by students – 20%

Evaluation

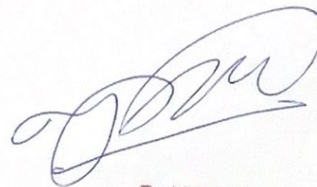
Unit Tests

Test 1: 5-7-2021
Test 2: 5-9-2021
Test 3: 30-11-2021

Quizzes through Google form

Assignments

One assignment each on 4 modules
Viva Voce: December 2021



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Course-wise Semester Plan
Department of Mathematics

Semester : 3rd Semester

Semester period: 10-09-2021 to 30-01-2022

Name of the paper : Complementary Mathematics

Name of the teacher : Fathima Sithara

Total number of hours prescribed as per syllabus: 80 hours

Number of modules: 4 modules

MODULE 1

Objectives:

To understand the basic concepts of vector functions and its applications

Method of teaching:

- Lecture method- 40%
- Classroom discussion and problem solving - 60%

Evaluation method:

- Examinations
- Assignments
- Seminars

No. of hours: 21

Outcomes expected:

Proper knowledge in vector calculus and partial derivatives

MODULE 2

Objectives:

To acquire the ability to solve line integrals using Green's Theorem and Stokes's Theorem

Method of teaching:

- Lecture method - 50 %
- Classroom discussion and Problem solving - 50 %

Evaluation methods:

- Examinations
- Assignments
- Seminars

No. of hours : 24

Outcomes expected:

Ability to evaluate double integrals

MODULE 3

Objectives :

- Apply the concepts of multiple integrals in finding surface area, volume, flux
- Learn fundamental ideas of Complex Numbers

Method of teaching :

- Lecture method - 50 %
- Classroom discussion and Problem solving - 50 %

Evaluation method:

- Examinations
- Assignments
- Seminars

No.of hours : 21

Outcomes expected:

Ability to solve triple integral and understand basic ideas of Complex Numbers

MODULE 4

Objectives :

To establish an idea about complex integration using fundamental theorems

Method of teaching:

- Lecture method - 70 %
- Classroom discussion and problem solving : 30 %

Evaluation methods:

- Examinations
- Assignments
- Seminars

No.of hours : 14

Outcomes Expected:

Understanding contour integrals and basic theorems of complex integrals

EVALUATIONS

Internal exams

1. 15.10.2021
2. 10.01.2022
3. 24.01.2022

Assignments

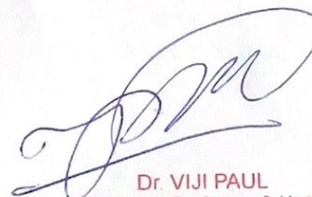
Three assignments from all four modules for each student.

Seminars

One seminar from all four modules for each student.



Fathima Sithara.



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W M O Arts and Science College

Course-wise Semester Plan

Department of Mathematics

Semester : First Semester

Semester Period : 01-11-2021 to 15-02-2022

Name of the Paper : Basic logic and Number theory

Name of the Teacher : Dr Viji Paul and Drisya T Das

Total no of Hours prescribed as per syllabus : 72

Platforms for teaching and evaluation: Google Classroom, Google Meet, YouTube, WhatsApp

Modules 1 : Introduction to logic

1. **Objectives:** Understanding the foundations of mathematics and the importance of logic, enable one to think systematically, express ideas in precise and concise mathematical terms, and make valid arguments
2. **Pre-requisites:** Fundamental concepts of numbers and operations
3. **Evaluation methods:** Internal tests, Assignments, seminars, viva-voce, Mathematical problems contests
5. **Expected Outcome :** Becoming able to arrive at the correct conclusion in the midst of confusing and contradictory statements is also illustrated, Understand methods of writing a formal proof.

Number of Hours: 15

Enter the time required to finish the module: 01-11-2021 to 31-12-2021

Teaching methods :

Lecture methods -

45

Lab demonstration / shared videos :

5

Group discussion/ Problem solving: -

25

Through Powerpoint presentations -

5

Using smart Board/ online platforms

20

Module 2 & 3

1. **Objectives:** Prove results involving divisibility, greatest common divisor, and least common multiple and identify some applications. Identify the importance of pattern recognition in mathematics.
2. **Pre-requisites:** Fundamental knowledge of integers and operations and various proof methods
3. **Remedial measures if prerequisites are not satisfied:** Sessions on basic ideas will be held for needy students.
4. **Evaluation methods:** Internal tests, Assignments, seminars, viva-voce, and Mathematics problems contest
5. **Expected Outcome:** Become able to master several techniques of problem-solving such as recursion, induction etc. Enjoy the art of conjecturing and identify applications of number theory.

Number of Hours:

29

Teaching methods :

Lecture methods -

50 %

Lab demonstration :

10 %

Group discussion/Problem-solving: -

20 %

Through Powerpoint presentations -

5 %

Using smart Board / online platforms:

15 %

Enter the time required to finish the module:

From 21-01-2022 to 15 -02-2022

Module 4:

1. **Objectives:** Understand the theory and method of solutions of LDE , Solve linear congruent equations, learn classical theorems in Number theory
2. **Pre-requisites :** Fundamental knowledge of integers and operations
3. **Remedial measures if prerequisites are not satisfied:** Sessions on basic ideas will be held for needy students.
4. **Evaluation methods :** Internal tests, Assignments, seminars, viva-voce and Mathematics problems contests
5. **Expected Outcome :** Enjoy the art of conjecturing and identify applications of number theory in geometry, coding theory etc..

Number of Hours:

20

Teaching methods :

Lecture methods - 50 %
Lab demonstration : 10 %
Group discussion/ Problem solving: - 25 %
Through PowerPoint presentations - 5 %
Using smart Board / online platforms: 10 %

Enter the time period required to finish the module: From 15-11-2021 to 20 -01-2022

EVALUATION

Unit Tests

Test 1: 15-12-2021
Test2 : 15-1-2022
Test 3 : 31-1-2022
Test 4 : 15-2-2022

Assignments:

Assignment 1: November 2021
Assignment 2: December 2021
Assignment 3 : January 2022
Assignment 4: February 2022


Viva Voce / Seminar if Any : After completion of each module Viva and seminars will be conducted for some of the students evaluating their performance and interests.

Other activities :

Mathematical problems contests, Meetings of the Mathematical Circle, and related activities. Exploratory talks by postgraduate students for graduate students.

FEED BACK OF STUDENTS:

Feedback will be collected from students by department and IQAC at the end of the semester.


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Course-wise Semester Plan
Department of Mathematics

Semester plan: 1st Semester

Semester period: 01-12-2021 to 28-02-2022

Name of the paper: Real Analysis 1

Name of the teacher: Alsha Joseph

Total number of hours prescribed as per syllabus: 90 hours

Number of modules: 3 modules

BRIDGE COURSE

Objectives:

Understanding basic Real Analysis

Method of teaching:

- Lecture method- 10%
- Classroom discussion- 40%
- Self reading and solving exercise questions- 50%

Evaluation method:

Class test

No. of hours: 10

Outcomes expected:

Proper knowledge in basic ideas of Real Analysis

MODULE 1

Objectives:

To study countable sets, metric spaces and associated properties

Method of teaching:

- Lecture method- 70%
- Classroom discussion- 30%

Evaluation method:

- Examinations
- Assignments
- Seminars

No. of hours: 30

Outcomes expected:

Understand metric spaces and its properties

MODULE 2

Objectives:

To understand the concepts of differentiation of real functions, L'Hospital's Rule, Taylor's Theorem and Riemann-Stieltjes Integral.

Prerequisites:

Basic knowledge of derivatives

Method of teaching:

- Lecture method - 70 %
- Classroom discussion- 20 %
- Seminar- 10%

Evaluation methods:

- Examinations
- Assignments

No. of hours : 25

Outcomes expected:

Understand Derivatives and its properties.

MODULE 3

Objectives :

Learn Riemann-Stieltjes Integral, Sequence and series of functions, Uniform Convergence, The Stone-Weierstrass Theorem.

Method of teaching :

- Lecture method - 70 %
- Classroom discussion- 20 %

- Seminars- 10%

Evaluation method:

- Examinations
- Assignments

No.of hours : 25

Outcomes expected:

Understand about sequence and series of functions, and the uniform convergence related with continuity, differentiation, and integration.


EVALUATIONS

Internal exams:

1. 06- 01-2022
2. 24-01-2022
3. 14-02-2022

Assignments

Assignments given in each week.


Alsha Joseph.



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Course-wise Semester Plan

Department of Mathematics

Semester : III Semester

Semester period : 01-12-2021 to 28-02-2022

Name of the paper: Complex Analysis

Name of the teacher: Afeera M

Total number of hours prescribed as per syllabus: 90 hours

Number of modules: 3 modules

OBJECTIVES

- To understand conformality, linear transformations, elementary conformal mappings and fundamental theorems and formulae.
- To get an idea of singularities of analytic functions and their classifications.
- To analyse Harmonic functions, power series expansions and principle.

MODULE 1

Method of teaching:

- Lecture method- 70%
- Classroom discussion- 30%

Evaluation method:

- Examinations
- Assignments
- Seminars

No. of hours: 30

Outcomes expected:

Understand extended plane, power series and Mobius transformations

MODULE 2

Method of teaching:

- Lecture method - 70 %
- Classroom discussion- 20 %
- Seminar- 10%

Evaluation methods:

- Examinations
- Assignments

No. of hours :30

Outcomes expected:

Understand Analytic function and their properties

MODULE 3

Method of teaching:

- Lecture method - 70 %
- Classroom discussion- 20 %
- Seminars- 10%

Evaluation method:

- Examinations
- Assignments

No. of hours : 30

Outcomes expected:

Understand about Singularities and Residues

EVALUATIONS

Internal exams:

1. 06-01-2022
2. 24-01-2022
3. 14-02-2022

Assignments

Assignments given in each week.

Afeeva.M
Ajeev



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Semester Plan--

Semester III

Semester Period

: 1 AUGEST-2022 to - DECEMBER-2022

Name of the Paper

SOW3 E2 01: RURAL COMMUNITY DEVELOPMENT GOVERNANCE

Name of the Teacher

: ABDUL NIZAR M M

Total no of Hours prescribed as per syllabus:

60 Hours

Number of modules

: 5

Add/ Remove Modules

Module 1:

LEARNING OBJECTIVES

- To gain an understanding basics on Rural Community

CONTENT

Rural Community — Basic Concepts, Gandhian concept of village, Rural/Urban differences. Agriculture, forests and non-farm sector in rural areas Rural infrastructure - status of connectivity, power, land, water, irrigation, education and health in rural India, rural employment situation.

EXPECTED OUTCOME

Learning on basics on Rural Community.

EVALUATION METHODS

Individual assignments, and Book reference

Classroom discussion

Number of Hours:

10

Enter the time period required to finish the module: 1 month

1 August -2022 to 29 August 2022

Teaching methods (Enter what fraction of the different methods is used/ planning to use):

Lecture methods

: 40 %

Students centric approach

: 30 %

Group discussion

: 30 %

Module 2:

LEARNING OBJECTIVES

To understand the Contemporary Challenges in Rural communities.

CONTENT

Contemporary Challenges in Rural communities Poverty and indebtedness. Growing urbanisation, industrialisation, migration and consequent social issues. De-peasantisation and Proletarianisation of the marginal and small farmers, Changing land use, SEZs, Corporatization of agriculture arising out of globalizing market economy. Rural unemployment. Specific problems of fishermen, craftsmen communities.

EXPECTED OUTCOME

Learning on Contemporary Challenges in Rural communities.

EVALUATION METHODS

Assignments

Internal examination

Number of Hours:

12 Hours

Enter the time period required to finish the module:

29-August- 2022 to 30 -September 2022

Teaching methods (Enter what fraction of the different methods is used/ planning to use):

Lecture methods	:	40 %
Constructivist approach	:	40%
Group discussion	:	20%

Module 3:

LEARNING OBJECTIVES

To understand Tribal communities

To understand Contemporary Challenges faced by Tribal communities.

CONTENT

Tribal communities: Understanding the Concept of Tribes, Adivasis, Indigenous people and Aboriginals Overview of tribal history and tribal uprisings in India from pre to post Independence period Situational Analysis of Indian tribes in the post Independence period with respect to land, food security, employment/livelihood, migration, displacement. Current tribal situation with respect to Human Development Indices Scheduled areas: issues and governance, Overview from Panchsheel to Tribal Subplan and Special Component Plan, Special Commission for Tribes and their Roles Problems of tribal communities in Kerala.

EXPECTED OUTCOME

To learn about Tribal communities.

To learn Contemporary Challenges faced by Tribal communities.

EVALUATION METHODS

Assignments and Presentation

Interaction session

Number of Hours:

14 Hours

Enter the time period required to finish the module:

October 1 - 2022 to – 31 October- 2022

Teaching methods (Enter what fraction of the different methods is used/ planning to use):

Lecture methods:

40%

Interactive session

40%

Group discussion :

20%

Module 4:

LEARNING OBJECTIVES

To understand the Rural Development and its objectives.

To understand the programmes and services in the governmental and voluntary sector.

CONTENT

Concept of Rural Development and its objectives. Various Approaches to rural development.

Local Economic Development, Asset Based Community Development Rural Development policies in India. Administration of Rural Development at Central and State Levels Rural development programmes including poverty alleviation programmes and implementation strategies, Different intervention strategies - government and NGOs. Rural Credit: Current trends, Microfinance – Scope and challenges Rural Cooperatives: concept, scope and limitations of the cooperative movement Social Work and Rural Development. Scope and challenges.

EXPECTED OUTCOME

Learn the concept Rural Development and its objectives

Learn the programmes and services in the governmental and voluntary sector.

EVALUATION METHODS

Assignments and Presentations

Internal examination

Number of Hours:

12 Hours

Enter the time period required to finish the module:

November 1st- 2022 to 25- November-

Teaching methods (Enter what fraction of the different methods is used/ planning to use):

Lecture methods :

40%

Interactive session :

40%

Group discussion :

20%

Module 5:

LEARNING OBJECTIVES

To understand the structure and functions of PRIs and their role in community development

To understand the scope of social work interventions in rural communities

CONTENT

Major concepts: Governance, Good Governance, Accountable democracy, Panchayati Raj, Decentralisation. Historical development of Panchayati raj, national level committees in the evolution of Panchayati Raj (Balwantrai Mehta, Ashok Mehta, Singhvi committees) Constitutional provisions, 73rd Constitutional Amendment Act 1992, Panchayati Raj Institutions- Three Tier Governance. Gender mainstreaming in rural governance. Panchayati Raj in Kerala Structure, powers and functions of Panchayati Raj Institution. Gramsabha - role and importance Sources of funds for Panchayats.

EXPECTED OUTCOME

To learn different Methods in facilitation and training

EVALUATION METHODS

Assignments and presentation

Internal examinations

Number of Hours:

12 Hours

Enter the time period required to finish the module:

26-November – 2022 to 20th December - 2022

Teaching methods (Enter what fraction of the different methods is used/ planning to use):

Lecture methods :

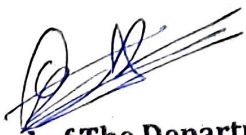
40%

Interactive session:

40%

Group discussion :

20%


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Semester Plan--

Semester II

Semester Period

DECEMBER-2021 to JUNE -2022

Name of the Paper

SOW2 C 07: SOCIAL GROUP WORK

Name of the Teacher

ABDUL NIZAR M M

Total no of Hours prescribed as per syllabus:

60 Hours

Number of modules

5

Add/ Remove Modules

Module 1:

LEARNING OBJECTIVES

To develop an understanding of Social Group Work as a method of Social Work.

CONTENT

Understanding groups: Definition, characteristics and significance of groups in society Types of groups – primary and secondary groups Task groups (forum, committees and work team) Treatment groups (support groups, educational groups, socialization groups, therapeutic groups,) Developmental groups (self help groups and support groups) Subgroups- meaning and types (Cliques, dyads, triads, isolates) Tools for assessing group interaction - Sociometry and Sociogram. Functional and nonfunctional role of individuals in group.

EXPECTED OUTCOME

Learning on basics of groups

EVALUATION METHODS

Individual assignments,
Book reference

Number of Hours:

12

Enter the time period required to finish the module: 1 month

DECEMBER-2021 to JANUARY -2022

Teaching methods (Enter what fraction of the different methods is used/ planning to use):

Lecture methods

: 40 %

Students centric approach

: 30 %

Group discussion

: 30 %

Module 2:

LEARNING OBJECTIVES

To familiarize with Group Process

CONTENT

Typical patterns in group process and interpersonal communication, Group formation, Role, Rank and Relationship, Group norm, Bond, acceptance, isolation, rejection, conflict and control. Impact of group experience on individuals Group dynamics - Group bond, Sub groups, Decision making, isolation, Leadership, Conflict. Communication and Interaction pattern, Group cohesiveness, Group control, Group culture. Stages of group development – Forming, Storming, Norming, Performing and Adjourning Group morale- meaning determinants and importance and characteristics of groups with high or low morale.

EXPECTED OUTCOME

Learn patterns in group process

EVALUATION METHODS

Assignments

Internal examination

Number of Hours:

14 Hours

Enter the time period required to finish the module:

29-JANUARY– 2022 to 27-FEBRUARY 2022

Teaching methods (Enter what fraction of the different methods is used/ planning to use):

Lecture methods	:	40 %
Constructivist approach	:	40%
Group discussion	:	20%

Module 3:

LEARNING OBJECTIVES

To develop an understanding of Social Group Work as a method of Social Work

CONTENT

Social Group Work: Definition, characteristics and goals of social group work method. History and evolution of group work as a method – international and Indian context. Theoretical assumptions underlying social group work, Philosophical assumptions and Values of social group work, Relevance and Scope of Social Group Work.

EXPECTED OUTCOME

To learn basics on group work and its concepts.

EVALUATION METHODS

Assignments and Presentation

Practical Session

Internal examination

Number of Hours:

9 Hours

Enter the time period required to finish the module:

28-FEBRUARY 2022 to – 30 MARCH- 2022

Teaching methods (Enter what fraction of the different methods is used/ planning to use):

Lecture methods:

40%

Interactive session

30%

Group discussion :

30%

Module 4:

LEARNING OBJECTIVES

To gain knowledge on Principles of group work. and phases and steps of social group work

CONTENT

Principles of group work. Group Worker – Qualities, skills, Role and functions, Steps in group formation: Need Assessment, Formulating objectives, developing plan for group work, Programme planning Group Formation and Group Development Group Work Process: Pregroup formation, Beginning Phase, Middle Phase and Ending Phase Termination phase: Types of termination Evaluation: Significance of evaluation, types and methods of evaluation

EXPECTED OUTCOME

To enhance and learn Principles of group work
To get the phases and steps of social work

EVALUATION METHODS

Assignments and Presentations
Internal examination

Number of Hours:

13 Hours

Enter the time period required to finish the module:

31 MARCH-2022 to 31- APRIL- 2022

Teaching methods (Enter what fraction of the different methods is used/ planning to use):

Lecture methods :

40%

Interactive session :

40%

Group discussion :

20%

Module 5:

LEARNING OBJECTIVES

To develop the necessary attitude and competence to practice Social Group Work in various settings

CONTENT

Recording in group work – Importance, Principles, types, structure of recording, Techniques of recording to analyze group process and plan strategies for intervention Applications of Group work in various settings – Health (Hospitals, De-addiction centres and Mental health centres), Children and Adolescents(schools and Child Guidance Clinics) Women development, Family welfare (Family counselling centres), Industries, Communities, Correctional institutions

EXPECTED OUTCOME

Learning how group work works in different fields of the society.

EVALUATION METHODS

Assignments

Discussion with group work expert

Number of Hours:

12 Hours

Enter the time period required to finish the module:

1-MAY – 2022 to 5 JUNE- 2022

Teaching methods (Enter what fraction of the different methods is used/ planning to use):

Lecture methods :

40%

Interactive session:

40%

Group discussion :

20%



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Semester Plan--

Semester IV

Semester Period

: DECEMBER-2021 to JUNE -2022

Name of the Paper

SOW4 E2 03: ENVIRONMENTAL STUDIES AND DISASTER MANAGEMENT

Name of the Teacher

: ABDUL NIZAR M M

Total no of Hours prescribed as per syllabus:

60 Hours

Number of modules

: 5

Add/ Remove Modules

Module 1:

LEARNING OBJECTIVES

Understand the basic concepts in environment studies and ecology.

CONTENT

Basic Concepts - Environment and Ecology. Basic concepts: Ecosystems, Biotic and abiotic factors, climatic factors, food chain, food web. Bio Geo Chemical cycles. The interrelatedness of living organisms and natural resources. Environmental Ethics: Gaia Theory, Ecosophy, and Deep Ecology, Environmentalism Biodiversity, Natural Resources and Livelihoods, Sustainable Development

EXPECTED OUTCOME

Learning on basics of environment and ecology

EVALUATION METHODS

Individual assignments,
Book reference
Discussions

Number of Hours:

12

Enter the time period required to finish the module: 1 month

DECEMBER-2021 to JANUARY -2022

Teaching methods (Enter what fraction of the different methods is used/ planning to use):

Lecture methods

: 40 %

Students centric approach

: 30 %

Group discussion

: 30 %

Module 2:

LEARNING OBJECTIVES

To familiarize with Natural Resource Management

CONTENT

Natural Resource Management - Policy and approaches (eg. Community-based natural resource management, integrated natural resource management), Role of rural institutions and other mechanisms in the protection of Natural Resources (eg: Pani Panchayats, Vana Samrakshana Samiti, Diversification of livelihoods) Issues related to Natural Resources- Rights, Indigenous knowledge systems and Indigenous Communities, Food Security, Forestry and Land Use Concept of appropriate technology. Appropriate technology models in housing, watershed, energy, cottage industries, agriculture. Gender and Environment: The relationship between Men, Women and Environment, Ecofeminism.

EXPECTED OUTCOME

Learning on natural resources, its type and management.

EVALUATION METHODS

Assignments

Internal examination

Number of Hours:

12 Hours

Enter the time period required to finish the module:

29-JANUARY- 2022 to 27-FEBRUARY 2022

Teaching methods (Enter what fraction of the different methods is used/ planning to use):

Lecture methods	:	40 %
Constructivist approach	:	40%
Group discussion	:	20%

Module 3:

LEARNING OBJECTIVES

To develop an understanding on Environment problems

CONTENT

Environment problems-Climate change and global warming, depletion of the ozone layer, desertification, land degradation, extinction of wildlife and loss of natural habitat, deforestation, biodiversity depletion, Nuclear wastes and radiation issues, waste management, pollution, energy crisis, disasters. Impact of development initiatives, war and terrorism. Environment issues specific to Kerala- Threats to wetlands and Western Ghats, sand mining, quarrying, solid waste management. Mitigation Strategies.

EXPECTED OUTCOME

To learn Environment problems

EVALUATION METHODS

Assignments and Presentation

Internal examination

Number of Hours:

12 Hours

Enter the time period required to finish the module:

28-FEBRUARY 2022 to – 30 MARCH- 2021

Teaching methods (Enter what fraction of the different methods is used/ planning to use):

Lecture methods:

40%

Interactive session

30%

Group discussion :

30%

Module 4:

LEARNING OBJECTIVES

To gain knowledge on Responses to environment Issues in national and international level

CONTENT

Responses to environment Issues - Environmental Movements: History of International Environmental Movements, Grassroots Environmental Movements in India International Conferences and Environmental Agreements. Environmental Policy and Politics: An Overview of policies such as liberalization and globalisation Environment and International Organisations : United Nations, the World Bank and the World Trade Organization. Impact of environment policies on developing nations. Social Work and environment – Green social work, Interventions – crisis intervention, advocacy, monitoring and enforcement of policy and legal instruments, education, consultation on sustainable development initiatives and appropriate technology.

EXPECTED OUTCOME

To enhance knowledge on Responses to environment Issues

To get information about national and international level responses on environmental issues

EVALUATION METHODS

Assignments and Presentations

Internal examination

Number of Hours:

12 Hours

Enter the time period required to finish the module:

31 MARCH-2022 to 31- APRIL- 2022

Teaching methods (Enter what fraction of the different methods is used/ planning to use):

Lecture methods :

40%

Interactive session :

40%

Group discussion :

20%

Module 5:

LEARNING OBJECTIVES

To develop the necessary attitude and competence for Disaster Management

CONTENT

Disaster Management- Disaster: Definition, Natural and Human made disasters; multiple causes and effects; Development and Disaster Management: Goals, Disaster management cycle –Prevention, Mitigation, preparedness, Rehabilitation, Reconstruction. Role of social workers in different stages. Disaster Management Policy, Disaster Management Act 2005, Role of government and voluntary organizations.

EXPECTED OUTCOME

Learning how Disaster can be Managed
Learning what are the steps in Disaster Management

EVALUATION METHODS

Assignments
Field visits

Number of Hours:

12 Hours

Enter the time period required to finish the module:

1-MAY – 2022 to 5 JUNE- 2022

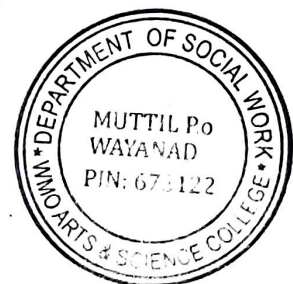
Teaching methods (Enter what fraction of the different methods is used/ planning to use):

Lecture methods :	40%
Interactive session:	40%
Group discussion :	20%



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Teaching Learning Performance

Department

Department of Social work

Semester Plan--

Semester II

Semester Period

: DECEMBER-2021 to JUNE -2022

Name of the Paper

SOW2 C 07: SOCIAL GROUP WORK

Name of the Teacher

: ABDUL NIZAR M M

Total no of Hours prescribed as per syllabus:

60 Hours

Number of modules

5

Add/ Remove Modules

Module 1:

LEARNING OBJECTIVES

To understand the prevailing realities and problems of vulnerable and marginalized groups in India.

To understand children as a vulnerable groups.

CONTENT

Social exclusion, Vulnerability-Multiple vulnerability, Deprivation, marginalization, at risk group, socio-economic disadvantage, stigmatization.

Children: analytical understanding of the prevailing realities, causes and precipitating factors of vulnerability, needs and problems of these children, child rights and its deprivation.. Categories of vulnerable children, with emphasis on the girl child, destitute children, children from broken families, child labour, street children, children with disability, sexually abused children, children facing stigmatization, Children affected by natural calamities, disasters, domestic violence National policies and programmes for children: Education, health, nutrition and protection. National and international agencies working with children. Institutional and non institutional services for children. National interventions and initiatives in child protection and child rights. Scope of social work interventions and the role of the social worker in helping vulnerable children.

EXPECTED OUTCOME

Learning on realities on vulnerability in India

Learning factors behind children as vulnerable group

EVALUATION METHODS

Individual assignments,

Book reference

Discussion

Number of Hours:

14

Enter the time period required to finish the module: 1 month

DECEMBER-2021 to JANUARY -2022

Teaching methods (Enter what fraction of the different methods is used/ planning to use):

Lecture methods

: 40 %

Students centric approach

: 30 %

Group discussion

: 30 %

Module 2:

LEARNING OBJECTIVES

To learn issues and concerns of women as vulnerable group

To observe role of social worker in working with vulnerable women

CONTENT

Major issues and concern of women, gender issues, issues of representation and participation, and reproductive health A gender analysis of poverty, health, education and labour. Vulnerable women- adolescent girls, victims of violence and harassment, women having mental illness, Non-heterosexual women Homeless Women, Women in Commercial sex work, women with HIV/AIDS, Female offenders, older women, women with disabilities and Female substance users. Policies and welfare programmes for Women. Role and functions of social work in working with vulnerable and marginalized women.

EXPECTED OUTCOME

Learning problems faced by women in India

To learn role of social worker among vulnerable women

EVALUATION METHODS

Assignments

Internal examination

Discussions

Number of Hours:

12 Hours

Enter the time period required to finish the module:

29-JANUARY- 2022 to 27-FEBRUARY 2022

Teaching methods (Enter what fraction of the different methods is used/ planning to use):

Lecture methods	:	40 %
Constructivist approach	:	40%
Group discussion	:	20%

Module 3:

LEARNING OBJECTIVES

To learn issues and concerns of Elderly as vulnerable group

To observe role of social worker in working with Elderly

CONTENT

Elderly: Issues and concerns of the elderly: Work, retirement, social security, housing; physical and mental health, disability, terminal illness and death of spouse; loneliness and alienation; feminization of ageing, domestic violence and abuse; dependency and family care; destitution; Risk assessment. Policies and programmes for elderly in India, Welfare schemes for elderly. Role of Govt. and NGOs in the development of services for elderly. Social work practice for enabling active ageing and enhancing quality of life: education for preparation of new roles and activities; for physical safety, financial security; retirement planning; individual and family counselling for adjustment and emotional wellbeing; bereavement counselling; mediating for enabling the elderly to receive their entitlements.

EXPECTED OUTCOME

Learning problems faced by women in India

To learn role of social worker among vulnerable women

EVALUATION METHODS

Assignments and Presentation

Internal examination

Number of Hours:

Enter the time period required to finish the module:

Teaching methods (Enter what fraction of the different methods is used/ planning to use):

Lecture methods:	<input type="text" value="40%"/>
Interactive session	<input type="text" value="30%"/>
Group discussion :	<input type="text" value="30%"/>

LEARNING OBJECTIVES

- To learn issues and concerns of Differently abled India
- To observe role of social worker in working with differently abled

CONTENT

Differently abled-Disability, Persons with Disability and their Rehabilitation Contexts – Understanding different categories of disability, causes, classification, assessment, consequences/impact of disability on individual's growth and functioning Needs and problems of person with disability issues related to activities of daily living, education, sexuality, integration, employment and interpersonal relationships. Role of the social worker, team work with professionals working in the field of disability and rehabilitation. Policies and programmes for people with disability in India.

EXPECTED OUTCOME

Learning problems faced differently abled in India
learning role of social worker among differently abled

EVALUATION METHODS

- Assignments and Presentations
- Internal examination

Number of Hours:

Enter the time period required to finish the module:

Teaching methods (Enter what fraction of the different methods is used/ planning to use):

Lecture methods :	<input type="text" value="40%"/>
Interactive session :	<input type="text" value="40%"/>
Group discussion :	<input type="text" value="20%"/>

Module 5:

LEARNING OBJECTIVES

To learn issues and concerns of Schedule caste and scheduled tribes in India
To observe role of social worker in working with Schedule caste and scheduled tribes

CONTENT

Schedule caste and scheduled tribes-Historical background of backwardness, oppression and oppressive practices in a caste society, problems of Dalits and Tribals, socio political and religious movements; Policies and welfare programmes for SC/ST. Social Work with SC/ST- Approaches, and strategies.

EXPECTED OUTCOME

Learning problems faced differently abled in India
learning role of social worker among differently abled

EVALUATION METHODS

Assignments

Discussion with a social activists.

Number of Hours:

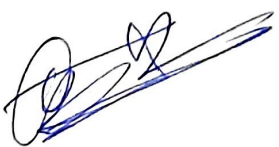
10 Hours

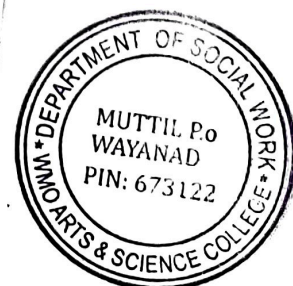
Enter the time period required to finish the module:

1-MAY – 2022 to 5 JUNE- 2022

Teaching methods (Enter what fraction of the different methods is used/ planning to use):

Lecture methods :	40%
Interactive session:	40%
Group discussion :	20%


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Semester Plan--

Semester I

Semester Period

: 7-JULY-2022 to - DECEMBER-2022

Name of the Paper

SWI C 04: PROFESSIONAL SKILLS FOR SOCIAL WORKERS

Name of the Teacher

: ABDUL NIZAR M M

Total no of Hours prescribed as per syllabus:

60 Hours

Number of modules

: 5

Add/ Remove Modules

Module 1:

LEARNING OBJECTIVES

- To gain an understanding on concepts of self-esteem, self-awareness, self-development etc.

CONTENT

Intra personal and Interpersonal skills -Significance of understanding self, Meaning of self: Self-awareness, self-concept, self-esteem, self-image and self-acceptance, Factors affecting self: attitudes and values. Techniques of understanding self, SWOT analysis, JoHari window. Self-defeating behaviour and its management. Life skills, Emotional resilience, Emotional Intelligence.

EXPECTED OUTCOME

Learn on intra personal and interpersonal skills.

EVALUATION METHODS

Individual assignments, and Book reference

Workshops

Number of Hours:

10

Enter the time period required to finish the module: 1 month

29 July -2022 to 29 August 2022

Teaching methods (Enter what fraction of the different methods is used/ planning to use):

Lecture methods

: 30 %

Students centric approach

: 30 %

Group discussion

: 40 %

Module 2:

LEARNING OBJECTIVES

To familiarize with managerial skills required for social work practice

CONTENT

Relationship skills for social work: Understanding client's situation and perspective- assessment, genograms, eco maps, Core relationship qualities: warmth, empathy, genuineness, unconditional positive regard, Interviewing skills: creating supportive environment, active listening, silence, reflecting feelings, paraphrasing, clarifying, summarizing, Direct, closed, open ended questions, Professional integrity, Professional boundaries

EXPECTED OUTCOME

Learn skills required for social work practice and profession

EVALUATION METHODS

Assignments

Internal examination

Number of Hours:

13 Hours

Enter the time period required to finish the module:

29-August- 2022to 30 -September 2022

Teaching methods (Enter what fraction of the different methods is used/ planning to use):

Lecture methods	:	40 %
Constructivist approach	:	40%
Group discussion	:	20%

Module 3:

LEARNING OBJECTIVES

To provide training to enhance competence in interpersonal communication and development communication.

CONTENT

Communication Skills- Communication: Definition, Purpose, Types, process, barriers, approaches in communication, non-verbal communication, Transactional Analysis-ego states, transactions, strokes, life positions, Group discussion, Public speaking, Presentation skills, reflective writing, presentation skills, Writing skills: Minutes, reports, letters, Advocacy letters, case notes, Structure of case notes, legal writing, newsletters, press, media, media releases, Letter to the editor, Literature review, academic writing, referencing and plagiarism.

EXPECTED OUTCOME

To learn interpersonal communication and development communication

EVALUATION METHODS

Assignments and Presentation

Workshop

Practical Session

Number of Hours:

14 Hours

Enter the time period required to finish the module:

30 September- 2022 to – 31 October- 2022

Teaching methods (Enter what fraction of the different methods is used/ planning to use):

Lecture methods:

40%

Interactive session

40%

Group discussion :

20%

Module 4:

LEARNING OBJECTIVES

To enhance leadership skills

CONTENT

Leadership skills: Leadership- Introduction to Leadership, Leadership Power, Leadership Styles, Leadership in social work-Facilitative and transformational Leadership, Motivation, Motivation enhancement, Group dynamics, Team building and team work, Time Management, Stress management, Goal setting, Managing conflict.

EXPECTED OUTCOME

To enhance and learn leadership skills.

EVALUATION METHODS

Assignments and Presentations

Number of Hours:

12 Hours

Enter the time period required to finish the module:

1-October- 2022 to 31- October- 2022

Teaching methods (Enter what fraction of the different methods is used/ planning to use):

Lecture methods :

40%

Interactive session :

40%

Group discussion :

20%

Module 4:

LEARNING OBJECTIVES

To enhance skills in ICT

CONTENT

ICT Skills: Use of ICT in Social Work, MS Office, Various forms of ICT resources, ICT in teaching and learning, Online Learning resources, Introduction to Cyber laws, Cyber crimes, Cyber ethics

EXPECTED OUTCOME

Students familiarise with ICT

EVALUATION METHODS

Assignments

Enter the time period required to finish the module:

1-November – 2022 to 29 November- 2022

Teaching methods (Enter what fraction of the different methods is used/ planning to use):

Lecture methods :	40%
Interactive session:	40%
Group discussion :	20%



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Semester Plan--

Semester 3

Semester Period

: 1st AUG-2022 to -31st DECEMBER-2022

Name of the Paper

SOW3 C 12: Participatory Project Planning and Training

Name of the Teacher

: ABDUL NIZAR M M

Total no of Hours prescribed as per syllabus:

60 Hours

Number of modules

: 5

Add/ Remove Modules

Module 1:

LEARNING OBJECTIVES

- To understand the phases and basics of development projects

CONTENT

Meaning and purpose, Programme vs. project Principles in development project: sustainability, development direction, concern for the marginalized. Planning in Local Self-Governing Institutions and Community Based Organisations Environmental Impact assessment [EIA], Gender Impact Assessment [GIA]

EXPECTED OUTCOME

Learning on project and development projects.

EVALUATION METHODS

Book reference

Discussions

Number of Hours:

10

Enter the time period required to finish the module: 1 month

1 August -2022 to 29 August 2022

Teaching methods (Enter what fraction of the different methods is used/ planning to use):

Lecture methods

: 30 %

Students centric approach

: 30 %

Group discussion

: 40 %

Module 2:

LEARNING OBJECTIVES

To develop skills in writing project proposals and managing projects

CONTENT

Need Assessment, Project Formulation -Setting Goals and objectives, feasibility and viability, cost benefit and cost effectiveness analysis, Action plan, budgeting, time schedule, Different models of preparing development projects Planning for a Project - Development of vision & mission statement, strategic planning, Log frame approach, results frame work, theory of change, Risk analysis and management /Risk matrix, Gant chart, Network analysis, Critical Path Method Identification of beneficiaries Resource mobilization- sources and strategies, Preparing project proposals

EXPECTED OUTCOME

Learn to prepare project proposal and learn idea about project formation

EVALUATION METHODS

Assignments

Internal examination

Number of Hours:

12 Hours

Enter the time period required to finish the module:

29-August- 2022 to 30 -September 2022

Teaching methods (Enter what fraction of the different methods is used/ planning to use):

Lecture methods	:	40 %
Constructivist approach	:	40%
Group discussion	:	20%

Module 3:

LEARNING OBJECTIVES

To understand the concept of Project Implementation and Evaluation

CONTENT

Monitoring and Evaluation Monitoring, evaluation, supervision, review- meaning and definition, Need for M& E, challenges, key M & E activities, Baseline and Endline studies, process documentation, output tracking & outcome monitoring, key data collection tools for M & E- MSC (most significant change) Case study, interviews, stories, life history and interviews. Measurement of outcomes/Impact assessment, Preparation of monitoring and evaluation reports, Various Models and methods of M&E like PME, Gap analyses, Social auditing. Public relations and marketing of social projects, Social Entrepreneurship. Practical sessions in project proposal writing and implementation.

EXPECTED OUTCOME

To learn implementation and evaluation of projects.

EVALUATION METHODS

Assignments and Presentation

Workshop

Practical Session

Number of Hours:

14 Hours

Enter the time period required to finish the module:

October 1 - 2022 to - 31 October- 2022

Teaching methods (Enter what fraction of the different methods is used/ planning to use):

Lecture methods:

40%

interactive session

40%

Group discussion :

20%

Module 4:

LEARNING OBJECTIVES

To understand the different steps in organizing participatory training programmes

CONTENT

Participatory training- Significance, principles and Philosophy, Difference between conventional training and participatory training. Adult learning, Principles of adult learning. Social work and participatory training - significance. Steps- Pre-training phase: designing- conducting training needs assessment, formulation of objectives, identifying and sequencing content, choosing methods, developing modules, readers. Post -training phase: Monitoring and evaluation – types, methods, Follow up of training and report writing

EXPECTED OUTCOME

Learn the basics of participatory training.

EVALUATION METHODS

Assignments and Presentations

Number of Hours:

12 Hours

Enter the time period required to finish the module:

November 1st- 2022 to 25- November- 2022

Teaching methods (Enter what fraction of the different methods is used/ planning to use):

Lecture methods :

40%

Interactive session :

40%

Group discussion :

20%

Module 4:

LEARNING OBJECTIVES

To understand Methods in facilitation and training

CONTENT

Lectures, Brainstorming, discussion exercises, focus group discussion, checklists, using visual images, simulation, case studies, learning games, role plays, demonstration, quiz, stories and songs and field visits. Skill Training: Workshops for Street Theatre, Designing of Posters and other low cost participatory media, developing newsletters, digital stories.

EXPECTED OUTCOME

Students familiarise methods of participatory training

EVALUATION METHODS

Assignments

Number of Hours:

12 Hours

Enter the time period required to finish the module:

26-November – 2022 to 20th December - 2022

Teaching methods (Enter what fraction of the different methods is used/ planning to use):

Lecture methods :

40%

Interactive session:

40%

Group discussion :

20%

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COURSE WISE SEMESTER PLAN 2021-22

Department

MASS
COMMUNICATION

Semester

Fifth Semester

Semester Period

: 05-06-2020 TO 28-10-2021

Name of the Paper

: PHOTOJOURNALISM

Name of the Teacher

: ASWIN P

Total no of Hours prescribed as per syllabus:

CONTACT HOURS: 5

Number of modules

: 5

Module 1:

OBJECTIVES

Understand the camera history

To provide basic information about camera

To enable students to critically analyse the field photojournalism

Teaching Methods

Tutorials for the understanding of old camera

EVALUATION METHODS

Online live classes on Google classroom, Google meet and WhatsApp

Contact students regularly through online platforms to strengthen their academic performance

Individual presentation of different topics that have taught earlier classes.

Open book examinations / unit test at end of each module

Assignment on the topic - write a short note on the challenges of TV advertising.

EXPECTED OUTCOME

Student will understand the camera

Student will be aware of camera techniques

And other technologies of innovative camera gadgets

Number of Hours:

15 hrs

Enter the time period required to finish the module: 1 month

05/06/2021— 02/07/2021

Teaching methods (Enter what fraction of the different methods is used/ planning to use):

Lecture methods	:	<input type="text" value="70 %"/>
Constructivist approach:		<input type="text" value="20 %"/>
Group discussion	:	<input type="text" value="10 %"/>

Module 2:

<p>Objectives</p> <ul style="list-style-type: none">To introduce the concept of PhotojournalismTo analysis the modern and vintage cameraTypes of PhotographyTypes of camera modules <p>Teaching Methods</p> <p>Class on famous photojournalist and projecting their notable photographs and awards (News Photos)</p> <p>EVALUATION METHODS</p> <ul style="list-style-type: none">Online live classes on Google classroom, Google meet and WhatsAppContact students regularly through online platforms to strengthen their academic performanceIndividual presentation of different topics that have taught earlier classes.Open book examinations / unit test at end of each moduleAssignment - prepare a print advertisement <p>EXPECTED OUTCOME</p> <ul style="list-style-type: none">Student will be able to understand how the camera worksThey can be able to understand the ethics of photojournalists
--

Number of Hours:

Enter the time period required to finish the module:

Teaching methods (Enter what fraction of the different methods is used/ planning to use):

Lecture methods	:	<input type="text" value="70 %"/>
Constructivist approach	:	<input type="text" value="30%"/>

Module 3:

Objectives

- Old film camera and Kodak
- Famous Photojournalists
- Rules and regulations in photography

Teaching Methods

- Basic PPT presentations

EVALUATION METHODS

- Online live classes on Google classroom, Google meet and WhatsApp
- Individual presentation of different topics that have taught earlier classes.
- Open book examinations / unit test at end of each module
- Assignment - prepare a radio advertisement

EXPECTED OUTCOME

- Better subject knowledge

Number of Hours:

15hrs

Enter the time period required to finish the module:

04/08/2021–to 5/9/2021

Teaching methods (Enter what fraction of the different methods is used/ planning to use):

Lecture methods:

60%

Interactive session

20%

Group discussion :

20%

Module 4:

Objectives

- To provide students with an understanding of Exposure Triangle
- To understand the difference between ISO – SHUTTER SPEED - APERTURE
- To enable students to familiarise Photo Composition
- Type of Camera lenses

Teaching Methods

- Showing different kind of lense and its use
- Practical lessons for exposure triangle

EVALUATION METHODS

- Online live classes on Google classroom, Google meet and WhatsApp
- Individual presentation of different topics that have taught earlier classes.
- Unit test at end of each module
- Assignment – advertisement creates unnecessary needs

EXPECTED OUTCOME

- Better subject knowledge
- Better Technical outcome

Number of Hours:

15hrs

Enter the time period required to finish the module: 1 month

O6/9/2021 to 15/9/2021

Teaching methods (Enter what fraction of the different methods is used/ planning to use):

Lecture methods : 80%

Group discussion 10%

Module5:

Objectives

- To know about Camera lens filters
- To understand Camera flash
- Photo editing tools

Teaching Methods

- Flash Photography PPT
- Photo editing practicals

EVALUATION METHODS

- Online live classes on Google classroom, Google meet and WhatsApp
- Individual presentation of different topics that have taught earlier classes.
- Unit test at end of each module
- Assignment – challenges of internet advertising

EXPECTED OUTCOME

- Students will aware about visualisation
- Better subject knowledge
- Able to do photo practical's and editing

Number of Hours:

Enter the time period required to finish the module: 1 month

Teaching methods (Enter What fraction of the different methods are used/ Planning to use) :

Lecture methods	:	<input type="text" value="40 %"/>
Constructivist approach	:	<input type="text" value="20%"/>
Group discussion	:	<input type="text" value="40%"/>

EVALUATION

Unit Tests

Assignments:

Viva Voce / Seminar if Any :

FEEDBACK OF STUDENTS BASED ON

- 1.Communication skills
- 2.Mastery over subject
- 3.Practical skills

Course coordinator
Aswin P



HoD
Anu Ann Varghese



COURSE WISE SEMESTER PLAN 2021-22

Department

MASS
COMMUNICATION

Semester

First Semester

Semester Period

: 01-11-2021 to 31-03-2022

Name of the Paper

: FUNDAMENTALS OF MASS COMMUNICATION

Name of the Teacher

: ANU ANN VARGHESE

Total no of Hours prescribed as per syllabus:

75

Number of modules

: 5

Add/ Remove Modules

Module 1:

OBJECTIVES

To make students acquaint with the basic concept of communication.

TEACHING METHODS

1. An interactive session of 5 min with students in the beginning of every class

EVALUATION METHODS

1. Class tests
2. Assignment/Online quiz
3. Interaction with students.

EXPECTED OUTCOME

1. Student will understand what communication is and types of it.
2. Student will be aware of the need for communication

Number of Hours:

20hrs

Enter the time period required to finish the module: 1 month

1/11/2021— 26/11/2021

Teaching methods (Enter what fraction of the different methods is used/ planning to use):

Lecture methods

: 30 %

Constructivist approach:

70 %

Module 2:

OBJECTIVES

To make students acquaint with the basic concept of "MASS". The evolution of mass communication and technologies

TEACHING METHODS

1. An interactive session of 5 min with students in the beginning of every class

EVALUATION METHODS

1. Class tests
2. Assignment/Online quiz
3. Interaction with students.

EXPECTED OUTCOME

1. Student will understand what "Mass" is.
2. Student will be aware of the need for communication

Number of Hours:

10 hrs

Enter the time period required to finish the module: 1 month

29/11/2021-- 10/12/2021

Teaching methods (Enter what fraction of the different methods is used/ planning to use):

Lecture methods

: 40 %

ICT

60 %

Module 3:

Objectives

To introduce what are the functions and dysfunctions of mass media.

To explain the types of media.

To make aware of print, radio and TV

TEACHING METHODS

1. An interactive session of 5 min with students in the beginning of every class

EVALUATION METHODS

1. Class tests
2. Viva voice

EXPECTED OUTCOME

Students will be aware about the different media and its Functioning.

Students will get better understanding on print, radio and TV

Number of Hours:

Enter the time period required to finish the module:

Teaching methods (Enter what fraction of the different methods is used/ planning to use):

Lecture methods :

ICT :

Module 4

Objectives

- 1.To introduce the models of communication
- 2.To familiarize students to the process of communication

TEACHING METHODS

- 1.More of a discussion mode .The students will be given the topic a day before so that all of them prepare well for the class.
- 2.An interactive session of 5 min with students in the beginning of every class

EVALUATION METHODS

1. Class tests
- 2.Quiz
3. Assignments

EXPECTED OUTCOME

- 1.Students will get a clear idea on the communication process through the basic models propounded by experts.
- 2.Students get a better understanding on the process of communication

Number of Hours:

Enter the time period required to finish the module:

Teaching methods (Enter what fraction of the different methods is used/ planning to use):

Lecture methods:

Interactive session

Group discussion :

Module 5:

Objectives

- 1.To introduce what is the status of mass media in India
- 2.To explain the communication and information revolution in India.
- 3..To make aware of future of print media

TEACHING METHODS

- 1.More of a discussion mode .The students will be given the topic a day before so that all of them prepare well for the class.
- 2.An interactive session of 5 min with students in the beginning of every class

EVALUATION METHODS

1. Class tests
- 2.Quiz
3. Assignments

EXPECTED OUTCOME

- 1.Students will be made aware about the different media scenario.
- 2.Students get an understanding on The communication and information revolution.
- 3.Students will be aware of future of print media.

Number of Hours:

Enter the time period required to finish the module:

Teaching methods (Enter what fraction of the different methods is used/ planning to use):

Lecture methods:

Interactive session

30%

Group discussion :

30%

EVALUATION

Unit Tests

Class test at the end of each module
10-01-2022,25-01-2022,07-02-2022

Revision sessions

Revision sessions at the end of every module .Buddy system will be carried out wherein students are divided into groups and buddy leader will explain the topic and clarify their doubts.

Assignments

Assignment 1: Communication & information revolution in India (27/01/2022)
Assignment 2:Status of Mass media in India(03-01-2022)
Assignment 3:Types of mass media (02/02/2022)

Viva Voce / Seminar if Any

Viva Voce conducted for slow learners to evaluate their progress.

FEEDBACK OF STUDENTS BASED ON

1. Communication skills
2. Mastery over subject
3. Practical skills

Course Coordinator

Anu Ann Varghese



Head Of the Department

Anu Ann Varghese



COURSE WISE SEMESTER PLAN 2021-22

Department

MASS
COMMUNICATION

Semester Plan--

Fifth Semester

Semester Period

: 01-06-2021 TO 31-10-2021

Name of the Paper

: MASS COMMUNICATION THEORIES

Name of the Teacher

: GREESHMA JOHN M J

Total no of Hours prescribed as per syllabus:

CONTACT HOURS: 5

Number of modules

: 2

OBJECTIVES

Module 1:

1. To attain the basic knowledge of the important communication theories and application
2. To attain theoretical framework of media and also contextualise the media theories
3. To understand stimulus response theory

TEACHING AND EVALUATION METHODS

Online live classes

Contact students regularly to strengthen their academic performance

Individual presentation of different topics that have taught earlier classes.

Open book examinations / unit test at end of each module

Assignment on the topic - write a short note on the present Indian economic status

EXPECTED OUTCOME

Student will understand what stimulus response theory is

Student will be aware of concept of selectivity

To gain an overview of multi step flow theory.

Number of Hours:

20hrs

Enter the time period required to finish the module: 1 month

05/06/2021— 02/07/2021

Module 2:

Objectives

- To introduce the concept of gatekeeping
- To analysis news flow models
- To give then an introduction BASS and Mowlana model
- To understand planning commission of India

TEACHING AND EVALUATION METHODS

- online live class via Google meet and Google classroom
- Contact students to strengthen their academic performance
- Individual presentation of different topics that have taught earlier classes.
- Open book examinations / unit test at end of each module
- Assignment - on democratisation theory

EXPECTED OUTCOME

- Student will be able to understand news flow models
- To analysis BASS and Mowlana model
- To effectively assess the effects of gatekeeping

Number of Hours:

15 hrs

Enter the time period required to finish the module:

03/07/2021– to 03/08/2021

EVALUATION

Unit Tests

- Unit tests at the end of each module
- Open book examination (03/07/2021)
- Group discussions for encouraging slow learning and provide essential academic treatment to meet the basics.

Assignments:

- Assignment 1: democratisation theory (05/07/2021)
- Assignment 2: explain the scope and challenge of media to set agenda for people (08/06/2021)
- Assignment 3: what are the implications of news flow model (09/08/2021)

Viva Voce / Seminar if Any :

Seminar: topics were given from syllabus

FEEDBACK OF STUDENTS BASED ON

1. Communication skills
2. Mastery over subject
3. Practical skills

Course Coordinator

Greeshma John MJ



Head Of the Department

Anu Ann Varghese



COURSE WISE SEMESTER PLAN 2021-22

Department

MASS
COMMUNICATION

Semester Plan

III Semester

Semester Period

:

04-06-2021 to 13-11-2021

Name of the Paper

:

REPORTING FOR THE PRINT

Name of the Teacher

:

ANU ANN VARGHESE

Total no of Hours prescribed as per syllabus:

72

Number of modules

:

5

Add/ Remove Modules

Module 1 :

Objectives

- 1.Understanding the Basics of news reporting
2. Definition of News and Familiarising News values
- 3.News values/news determinants

Teaching methods

- 1.Online class which includes video lectures, audio lectures, slide presentations, live sessions.
- 2.Platforms like TEACHMINT, GOOGLE CLASSROOM and WHATSAPP are used
- 3.Discussions during live sessions after video presentation

EVALUATION METHODS

- 1.Class tests
- 2.question and answer sessions

EXPECTED OUTCOME

- 1.Students acquire better knowledge on the Basics of news reporting
- 2.Improve Familiarity with News values

Number of Hours:

12

Enter the time period required to finish the module: 1 month

04/06/2021– 03/07/2021

Teaching methods (Enter What fraction of the different methods are used/ Planning to use) :

Lecture methods :

Module 2:

Objectives

- 1.Students are made aware of Qualities and responsibilities of a reporter
- 2.Principles of reporting

Teaching methods

- 1.Online class which includes video lectures,audio lectures,slide presentations,live sessions.
- 2.Platforms like TEACHMINT,GOOGLE CLASSROOM and WHATSAPP are planned to be used
- 3.Discussions during live sessions after video presentation
- 4.The students will be made to read daily news before the class

EVALUATION METHODS

- 1.online Class tests
- 2.question and answer sessions
- 3.Giving assignments on reporting any news in their locality

EXPECTED OUTCOME

- 1.Better knowledge on Qualities and responsibilities of a reporter
- 2.Improve familiarity with the Principles of reporting

Number of Hours:

Enter the time period required to finish the module:

Teaching methods (Enter What fraction of the different methods are used/ Planning to use) :

Lecture methods :

Module 3 :

Objectives

1. To know the structure of News
2. Inverted pyramid Format of news writing
3. Types of News Stories (Soft and hard news)
4. Elements of news and 5w's and 01H

Teaching methods

1. Online class which includes video lectures, audio lectures, slide presentations, live sessions.
2. Platforms like TEACHMINT, GOOGLE CLASSROOM and WHATSAPP will be used
3. Discussions during live sessions after video presentation
4. The students will be made to read daily news before the class

EVALUATION METHODS

1. Class tests
2. question and answer sessions
3. Search for 5 ws and 1 h from any news report

EXPECTED OUTCOME

1. Better subject knowledge
2. Improve communication skills
3. How to incorporate 5ws and 1 h in news reports

Number of Hours:

15

Enter the time period required to finish the module:

28/07/2021–15/09/2021

Teaching methods (Enter What fraction of the different methods are used/ Planning to use) :

Lecture methods :

35 %

Group discussion :

65%

Module 4 :

Objectives

- 1.To explore the News source
- 2.To familiarise the Press Conference and Interviews
- 3.Listing out the News agencies in world wide

Teaching methods

- 1.Online class which includes video lectures,audio lectures,slide presentations,live sessions.
- 2.Platforms like TEACHMINT,GOOGLE CLASSROOM and WHATSAPP are planned
- 3.Discussions during live sessions after video presentation
- 4.The students will be made to read daily news before the class

EVALUATION METHODS

- 1.Class tests
- 2.question and answer sessions
- 3.To prepare a set of questions for conducting an interview with a famous person

EXPECTED OUTCOME

- 1.Better subject knowledge
- 2.Improve communication skills
- 3.Students gain better understanding on News agencies in world wide

Number of Hours:

15

Enter the time period required to finish the module: 1 month

15/09/2021—29/09/2021

Teaching methods (Enter What fraction of the different methods are used/ Planning to use) :

Lecture methods

:

35 %

Constructivist approach

:

65%

Module5:

Objectives

1. Basics of reporting
2. To know the types of Reporting
3. Understand the meaning of Beats and Assignments
4. Understanding how the news is gathered and through which ways

Teaching methods

1. Online class which includes video lectures, audio lectures, slide presentations, live sessions.
2. Platforms like TEACHMINT, GOOGLE CLASSROOM and WHATSAPP are planned
3. Discussions during live sessions after video presentation
4. The students will be made to read daily news before the class

EVALUATION METHODS

1. Class tests
2. question and answer sessions
3. to prepare a specialised news report based on their area of interest

EXPECTED OUTCOME

1. Better knowledge on the basics of reporting
2. Improve communication skills
3. Better understanding on specialisations in reporting
4. Students gain Understanding how the news is gathered and through which ways

Number of Hours:

15

Enter the time period required to finish the module: 1 month

29/09/2021—13/11/2021

Teaching methods (Enter What fraction of the different methods are used/ Planning to use) :

Lecture methods

:

35 %

Constructivist approach

:

65%

EVALUATION

Unit Tests

1. Test paper online on 07/07/2021 based on Module 5
2. Test paper online on 21/09/2021 based on Module 2
3. Internal exam on 10/10/2021

Revision sessions

Revision at the end of every module

Assignments:

- Assignment 1: Types of features
07/07/2021
- Assignment 2: Indian news agencies
10/08/2021
- Assignment 3: Specialised reporting
25/08/2021

Viva Voce / Seminar if Any :

Seminar: Seminar will be conducted on important topics followed by a discussion. A Detailed report on the same will be submitted by students on the same day. (02/06/2021-25/06/2021)

FEEDBACK OF STUDENTS BASED ON

1. Communication skills
2. Newspaper designing
3. Practical skills, Reporting and editing skills

Course Coordinator

Anu Ann Varghese



Head Of the Department

Anu Ann Varghese



COURSE WISE SEMESTER PLAN 2021-22

Department

MASS
COMMUNICATION

Semester

Semester 1/2

Semester Period

: 06/11/2021 – 08/04/2022

Name of the Paper

: Introduction to Electronic Media

Name of the Teacher

: Abdul Rahiman UP

Total no of Hours prescribed as per syllabus:

Contact Hours: 6

Number of modules

: 6

Add/ Remove Modules

Module 1:

OBJECTIVES

1. To introduce students to the discipline in terms of communication itself and its various media formats.

EVALUATION METHODS

1. Class tests
2. Interaction with students.

Number of Hours:

12

Enter the time period required to finish the module:

18/11/2021 – 06/12/2021

Teaching methods (Enter what fraction of the different methods is used/ planning to use):

Lecture methods : 55 %

Constructivist approach: 35%

Group discussion : 10%

Module 2:

Objectives

1. To introduce radio as a mass medium
2. To introduce the history of AIR
3. To introduce the functioning of Radio station

EVALUATION METHODS

1. Class tests
2. Indoor/Outdoor activities.

EXPECTED OUTCOME

1. Better subject knowledge
2. Improve communication skills

Number of Hours:

12

Enter the time period required to finish the module:

07/12/2021 – 21/12/2021

Teaching methods (Enter what fraction of the different methods is used/ planning to use):

Lecture methods

:

75%

Constructivist approach :

25%

Module 3:

Objectives

1. To introduce basic elements of radio programmes.
2. To introduce how to write for radio.
3. To introduce various radios formats.

EVALUATION METHODS

1. Class tests
2. Indoor/Outdoor activities.

EXPECTED OUTCOME

1. Better subject knowledge
2. Improve communication skills

Number of Hours:

16

Enter the time period required to finish the module:

22/12/2021 –21/01/2022

Teaching methods (Enter what fraction of the different methods is used/ planning to use):

Lecture methods:

65 %

Constructivist & Group activities

35 %

Module 4:

Objectives

1. To introduce internet: its evolution and history
2. To introduce the characteristics and ethics of new media

EVALUATION METHODS

1. Class tests
2. Question and answer sessions

EXPECTED OUTCOME

1. Better subject knowledge
2. Improve communication skills

Number of Hours:

11

Enter the time period required to finish the module:

22/01/2022 – 07/02/2022

Teaching methods (Enter what fraction of the different methods is used/ planning to use):

Lecture methods

:

80%

Constructivist approach

:

20%

Module 5:

Objectives

To introduce the cyber news culture

EVALUATION METHODS

1. Class tests
2. Question and answer sessions

EXPECTED OUTCOME

1. Better knowledge of the subject

Number of Hours:

14

Enter the time period required to finish the module:

08/02/2022 -25/02/2022

Teaching methods (Enter what fraction of the different methods is used/ planning to use):

Lecture methods

:

70 %

Constructivist approach

:

30 %

Module 6:

Objectives

1. To introduce Social media as a journalistic platform
2. To make familiar with online activism
3. To give awareness on Social media as a tool for PR, for advertisement and Propaganda

EVALUATION METHODS

1. Class tests
2. Question and answer sessions

EXPECTED OUTCOME

1. Better knowledge of the subject

EXPECTED OUTCOME

1. Better knowledge of the subject

Number of Hours:

16

Enter the time period required to finish the module:

28/02/2022 -18/03/2022

Teaching methods (Enter what fraction of the different methods is used/ planning to use):

Lecture methods

:

55 %

Constructivist approach

15%

EVALUATION

Unit Tests

Class test for each couple of modules

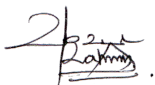
Assignments:

- Prepare script for any radio format.
- Analyse media activism in India with relevant examples.

FEEDBACK OF STUDENTS BASED ON

1. Communication skills
2. Mastery over subject
3. Practical skills

Course coordinator
Abdul Rahman UP



HoD
Anu Ann Varghese



COURSE WISE SEMESTER PLAN 2021-22

Department

MASS
COMMUNICATION

Semester

5th Semester

Semester Period

: 01-06-2021 To 31-12-2021

Name of the Paper

: MASS COMMUNICATION THEORIES

Name of the Teacher

: ABDUL RAHIMAN

Total no of Hours prescribed as per syllabus:

CONTACT HOURS: 5

Number of modules

: 02

Module 1:

OBJECTIVES

1. To attain the basic knowledge communication studies.
2. To introduce the key ideas including 'mass', 'public opinion', 'media audience' etc.

EVALUATION METHODS

- Seminars
- Unit tests
- Question-answer sessions

EXPECTED OUTCOME

- Students will have an access to the larger academic area of 'communication studies'.

Number of Hours:

13

Enter the time period required to finish the module:

18/11/2021— 06/12/2021

Teaching methods (Enter what fraction of the different methods is used/ planning to use):

Lecture methods

70 %

Constructivist approach:

30 %

Module 5:

Objectives

- To introduce media effects theories

EVALUATION METHODS

- Seminars
- Unit tests
- Question-answer sessions

· EXPECTED OUTCOME

- Student will be aware of how media work in a society
- To get familiar with the effects of media and theories related.

Number of Hours:

13

Enter the time period required to finish the module:

07/12/2021– to 24/12/2021

Teaching methods (Enter what fraction of the different methods is used/ planning to use):

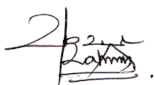
Lecture methods : 70 %

Constructivist approach : 30%

EVALUATION

- Unit tests at the end of each module
- Seminars and Group discussions
- assignments

Course coordinator
Abdul Rahman UP



HoD
Anu Ann Varghese



Core Course
ENG5B23 APPRECIATING DRAMA
CREDITS (5)
HOURS 90
Semester Plan-2021 admission

Name of the teacher: SHAIMINA C

1. Date of starting the semester: 01/07/2022
2. Expected semester end: 30 /11/2022
3. Total hours required as per syllabus: 90

Objective of this paper

- a. To introduce the students to the basic elements of drama, including the historical progress of drama in different continents.
- b. To foster an ability in the students for appreciating drama as an art form.
- c. To familiarize the students with the different genres and masters of drama.
- d. To facilitate the learners to critically go beyond the theatrical performances to the texts and approach them critically from various standpoints.

MODULE 1:

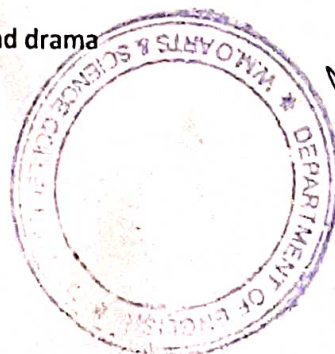
Drama - Some Key Concepts Basic Elements of Drama: Tragedy, Comedy, Tragicomedy; The Constituent Parts of Drama – Plot, Character, Thought, Song, Spectacle, Diction, Three Unities, Tragic Hero, Chorus, Simple plot and Complex plot; The basic structure of tragedy History of Drama: Greek Theatre and Drama, Miracle Plays and Morality Plays, University Wits, Shakespearean Theatre, Restoration Drama, Sentimental Drama, Anti-sentimental Drama, Comedy of Manners, Drama of the Romantic Period, Decadence, Problem Play, Realism, Ibsen and Bernard Shaw. Avantgarde: Expressionism & Epic Theatre, Angry Young Man, The Theatre of the Absurd, Comedy of Menace, The Theatre of Cruelty, Feminist theatre, Street theatre, Ritualistic Theatre, The Poor theatre, Radio Drama.

Objectives of this section

- To enable the students to learn the key concepts and basic elements of drama.
- To introduce various ages and theatres in the genre.
- To introduce the students to the constituent parts of drama, including the and rhetorical devices employed in drama, and to various genres of drama.

Pre-requisites:

- Students should have basic idea of theatre and drama



Evaluation methods:

- Unit tests- 2 (second week of Aug and the second week of September)
- Assignments-2
- Seminar-2

MODULE 2: CLASSICAL DRAMA

William Shakespeare: Othello

Objectives

- a. To familiarize the students with Classical drama.
- b. To introduce them the basic elements of classical theatre.
- c. To acquaint them with cultural diversity and divergence in perspectives.
- d. To develop their critical thinking abilities and creative writing.

Pre-requisites:

- Students should have basic idea of classics in English literature.
- Students should familiarize with different types of classical drama.

Evaluation methods:

- Unit tests- 2 (second week of September and the end of October)
- Assignments-2
- Seminar 2

MODULE 3: WORLD PLAYS

1. Anton Chekov: The Bear/ The Boor
2. Edward Albee: Zoo Story
3. Kobo Abe: The Man who turned into a Stick – trans. Donald Keene

Objectives

- Students understand the basics of world theatre.
- Major themes, symbols, motifs and literary background in world plays.
- To introduce students to the thematic concerns, genres and world drama.

Pre-requisites:

- They should know the basic narrative techniques in drama.
- They should have basic ideas about the playwrights and their literary background

Evaluation methods:

- Unit tests- 2 (First week of September and the end of October)
- Assignments-2
- Seminar 2

Module 4: Drama Adaptation**1. Roman Polanski: Macbeth (1971)****2. Syamaprasad: Akale (2004)****Objectives**

- Students should learn the basic idea of drama adaptations.
- Students have to understand the techniques used in drama adaptations.
- Students should be able to critically analyze and differentiate between the original text and adaptation.

Pre-requisites:

- Students should know the basics of English Drama and film genre.
- They should know the important playwrights.
- They should have knowledge about the theme, motifs and techniques

Evaluation methods:

- Unit tests- 2 (First week of October and the end of November)
- Assignments-2

Core Course 2
ENG3C10 Literary Criticism and Theory- Part 2(5Credits)

40 hours (Credit - 5)

Semester Plan-2021 admission

Name of the teacher: SHAHZAD MEHAR

1. Date of starting the semester: 01/08/2022

2. Expected semester end: 20/12/2022

3. Total hours required as per syllabus: 40

Objective of this paper

One of the guiding functions of literary criticism is to explore and express shifts in sensibility that makes it possible to reevaluate books.

Section A

Plato- The Republic (Book 2 and 3)

Aristotle – Poetics

Longinus- On the Sublime (Chapters 7-9)

Objectives of this section

- It brings basic awareness of ancient literary Critics.
- It examines

Pre-requisites:

- Students should have basic idea of criticism
- They should get an aware of different Critical terms used by critics.
- They should have go through the style used by critics to criticize various works.

Evaluation methods:

- Unit tests- 2 (second week of September and the end of November)
- Assignments-2
- Seminar-2

Section B: Drama

Samuel Beckett : Waiting for Godot

Caryl Churchill : Top Girls

Harold Pinter : The Birthday Party

Edward Bond : Lear



Objectives

Students should get the basic idea of 19th century playwriters and their works
Students have to understand the techniques of English drama 19th century

Pre-requisites:

- Students should have to get the basic introduction of 19th century English drama in post 1940
- They should know the important playwriters
- They have to distinguish 19th century dramatist with the writers in other periods.
- They should have knowledge about the theme, motifs and techniques

Evaluation methods:

- Unit tests- 2 (First week of September and the end of November)
- Assignments-2
- Seminar 2

Section C: Fiction

John Fowles : The French Lieutenant's woman

Kingsley Amis : Lucky Jim

Alan Sillitoe : Loneliness of the Long Distance Runner

Objectives:

- Students understand the basics of fiction in 19th century
- Major themes, motifs and literary background in 19th century

Pre-requisites:

- They should know the basics narrative techniques in fiction
- They should have basic ideas about the writers and their literary background

Evaluation methods:

- Unit tests- 2 (First week of September and the end of November)
- Assignments-2
- Seminar 2

A

AENG5B07T TITLE OF THE COURSE LITERARY CRITICISM AND THEORY

(4 Credits)

90hours (CREDITS - 4)

Semester Plan-2020 -21 ONLINE MODE(Google class room, Whatsapp and Google meet)

Name of the teacher: ANU VILLOTH

1.Date of starting the semester: 01/06/2020

2. Expected semester end: 30 /12/2020

3. Total hours required as per syllabus: 90

OBJECTIVES OF THE COURSE

- To make the students aware that all readers are critics
- To familiarise them with the factors involved in criticism like interpretation, elucidation, judgement and appreciation.
- To introduce the students to basic texts in criticism, relating to various movements and schools of thought.
- To develop critical thinking by introducing various tools of criticism- analysis, comparison, theoretical approaches etc

MODULE I –

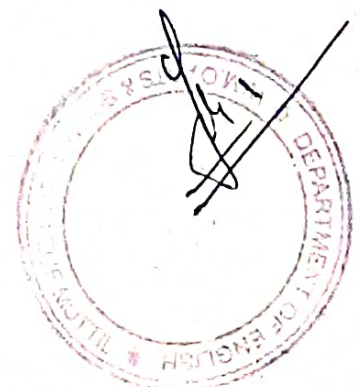
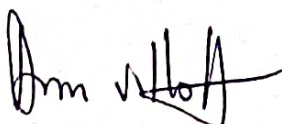
CLASSICAL AGE

Aristotle: Concepts of tragedy, plot & Plato: Concept of Art, criticism of poetry and drama & Contemporary relevance of the ideas in the above to be discussed.

Objectives of this section

- To enrich knowledge in criticism.
- To learn about different critics..

Pre-requisites:



- Students should have an interest in criticism.
- They should have a reading experience.

Evaluation methods

- Unit tests- 2 (second week of June and the first week of July)
- Assignments-2

MODULE II

-INDIANAESTHETICS

∞ Theory of Rasa, vyanjana and alankara. ∞

The relationship between Module I & II to be discussed. For eg. The concept of Rasa and purgation. Alankara and figures of speech etc.

Objectives.

To help the students to familiar Indian aesthetics.

To develop knowledge in criticism.

To enable to analyse the work critically.

Pre – requisites.

Students should know Navarasas

They should have Interest in literature.

Evaluation methods:

- Unit tests- 2 (The end of July and third week of August)
- Assignments-2
- Presentation through Google meet 1

MODULE III –

MODERN CRITICISM This section is meant to make the students familiar with modern critical writing.
CORE TEXTS William Wordsworth; Preface to Lyrical Ballads- Paragraphs 5-12 Ferdinand de Sassure:

Nature of the Linguistic Sign.. T.S. Eliot - Tradition and the Individual Talent Elaine Showalter- Towards a Feminist Poetics

Objectives

Students should get knowledge about different literary works.

To help them to understand literary theories.

Pre-requisites:

- Students should have reading experience(novels, drama etc..)
- They should know some literary works.

Evaluation methods:

- Unit tests- 2 (The firstweek of September and the end of September)
(through Whatsapp and Google meet)
- Assignments-2
- Seminar 1

MODULE IV:

CRITICAL TERMS AND CONCEPTS

This is a section meant to familiarize students with the various tools, movements and concepts in criticism. This may include the following: Figures of Speech: Simile, metaphor, synecdoche, metonymy, symbol, irony, paradox. Movements: Classicism, neo-classicism, romanticism, humanism, realism, magic realism naturalism, symbolism. Russian formalism, Marxist criticism, absurd literature, modernism, structuralism, post-structuralism, deconstruction, post-modernism, post-colonialism, feminism, psychoanalytic criticism

Objectives:

- To enrich their knowledge in literature.
- To familiar with different literary theories.
- To know different literary movements.

Pre-requisites:

- They should think critically.

- They should have basic ideas about literary works.

Evaluation methods:

- Unit tests- 2 (first week of October and the end of october)
- Assignments-2
- Presentation 2

MODULE V

In this Module, critical analysis of short poems and short stories are to be done by students. The students may be asked to analyse pieces in terms of theme, diction, tone, figures of speech, imagery etc. Theoretical approaches may be avoided.

Objectives:

- To develop critical analysis in their studies.
- To know different approaches in literature.

Pre-requisites:

- They should read stories.
- They should know some figures of speech

Evaluation methods:

- Unit tests- 2 (Second week of November and the end of December)
- Assignments 2
- Presentation 2

ENG5B04 : INFORMATICS

(4 Credits)

90hours (Credits - 4)

Semester Plan-2020 -21 ONLINE MODE(Google class room, Whatsapp and Google meet)

Name of the teacher: **NABEELA T A**

- 1.Date of starting the semester: 01/06/2020
2. Expected semester end: 30 /12/2020
3. Total hours required as per syllabus: 90

OBJECTIVES OF THE COURSE

- 1.The students will have a thorough general awareness of computer hardware and software from a practical perspective.
- 2.The student will have practical skill in performing common basic tasks with the computer.

Module I

General Introduction

Outline history of the development of computers – Types of computers PC/ workstations, Laptops-Palm tops- Mobile devices- Notebooks-Mainframes-Supercomputers- Significance of IT and the internet.

Objectives of this section

- To understand the basics of computer.
- To learn different features of Information Technology.

Pre-requisites:

- Students should have basic idea about computer.



- They should have knowledge about hardware and software.
- They should have gone through practical sessions

Evaluation methods

- Unit tests- 2 (second week of June and the first week of July)
- Assignments-2

MODULE II:

INTRODUCTION TO BASIC HARDWARE

Monitor - CRT and LCD - issues - CPU-mouse-keyboard-processor types - Ports - USB 2.0 - IEEE Fire wire - IDE/SATA connectors - Input-output devices - Printers-scanners-graphic tablet-thumb drive- modem digital cameras-microphones-speakers. Bluetooth devices.

Objectives.

To help the students to familiar with different parts of computer.

To develop the basic idea about computer.

To enable them to use Computer.

Pre – requisites.

Students should have knowledge about computer.

They should have computer literacy.

Evaluation methods:

- Unit tests- 2 (The end of July and third week of August)
- Assignments-2
- Practical session through Google meet 1

MODULE III:

INTRODUCTION TO SOFTWARE

Topics: Operating Systems - Windows- Windows versions- Linux - Linux distributions- Free software Software licenses - GNU public license- other licenses. Open Source - Source Code FOSS. Installing Windows and Linux - BIOS - Changing boot order. Installing software in Windows and Linux - Drivers for

peripherals - Software Tools (applications) - Windows software tools- Word, PowerPoint, Excel - Linux tools - Open Office, etc. Advanced applications - Photoshop, GIMP, Spreadsheets, Database tools in Windows and Linux. Dream weaver etc. Text-to-speech, OCR tools, speech recognition Content Management Systems-Learning Management Systems- Content Authoring tools- Blogs. Assistive technology for the handicapped - JAWS, NVDA. Virtual Reality, Quick Time Virtual Reality - Security issues- viruses - antivirus tools. File encryption- Cryptography. Various file formats and extensions- (eg: .jpg, .doc, .bmp .avi etc) format reading software- converting between formats- proprietary formats f ormatsthat software save files in. Developing Software - Programming Languages- C++ - Visual BasicJava- python etc. (introduction only).

Objectives

Students should get knowledge about software.

To help them to understand different aspects of software.

Pre-requisites:

- Students should have to get the basic knowledge about software.
- They should know windows.

Evaluation methods:

- Unit tests- 2 (The firstweek of September and the end of September)

(through Whatsapp and Google meet)

- Assignments-2
- Seminar 2

MODULE IV:

INTRODUCTION TO NETWORKING AND THE INTERNET

What is Networking - LAN- WAN- Wireless networks - Benefits of Networking- file sharing- sharing of printers- examples - networking in an office- in an internet cafe. The Internet- HTML- websites - blogs - search engines- e-mail- chat- wikis- social networking- file sharing-net banking- shopping on the internet- booking a rail ticket online- checking telephone directories online Checking electoral rolls at the Election Commission site- Online maps etc. Security Issues- Hacking

Objectives:

- To develop knowledge in ICT.

- To familiar with internet.
- To know different aspects of internet.

Pre-requisites:

- They should know about IT.
- They should have basic ideas about Internet.

Evaluation methods:

- Unit tests- 2 (first week of October and the end of october)
- Assignments-2
- Presentation 2

MODULE V:

KNOWLEDGE RESOURCES ON THE INTERNET

Encyclopedias - libraries - book sites - journals - content repositories - online education - other information sites - Internet directories - other Information sources - websites of universities and research institutions - COIL, TDIL sites. Information Feeds - RSS, Atom etc. Online courses and Virtual Universities

Objectives:

- To develop knowledge in Information Technology.
- To know different types of knowledge resources on the internet

Pre-requisites:

- They should know about encyclopedias.
- They should have basic Ideas about websites.

Evaluation methods:

- Unit tests- 2 (First week of November and third week of November)
- Assignments 2

MODULE VI:

COMPUTER LOCALIZATION

What is localization - using computers in the local languages in India - language packs for operating systems and programs - fonts -Unicode - ttf- ASCII - keyboard layout issues - official layouts - software tools for typing local languages - government developed tools - TDIL project - Bharateeya Open Office - Using local languages in Linux. CLIK Keralam site - (Ce CLIK Keralam site - (Centre for Linguistic Computing Keralam)

Objectives:

- To know about localization.

To get knowledge about different IT project

Pre-requisites:

- They should know some local languages.
- They should have knowledge about software tools.

Evaluation methods

- Unit Test 2(First week of December and the end of December)
- Presentation 2
- Assignment 1

Core Course 3
ENGICO3 History of English Language
40 hours (Credit - 5)

Semester Plan-2021 admission

Name of the teacher: SHAHZAD MEHAR

1. Date of starting the semester: 20/08/2020

2. Expected semester end: 30/12/2020

3. Total hours required as per syllabus: 40

Objective of this paper

One of the guiding functions of this paper is to get an overall idea about Language ,and offers an overview of the History of English Language from its origin to the present.

Section A

Language families - The Indo-European family of languages; Germanic Family of languages and the origin of English - The early history of English language; Old English Period - Scandinavian invasions - Middle English Period: The Impact of the Norman Conquest on the English Language; - Middle English Literature. Modern English Period – Latin and Greek influence – Loan words - The impact of the Renaissance – Bible Translations. Sound changes in English – The Great Vowel Shift - Changes in Grammar, vocabulary, phonology and morphology – Semantics – word formation

Objectives of this section

- It brings an idea about different language families, the sound of language and how language originated from early to medial and to modern.
- It gives an idea about Loan Word.

Pre-requisites:

- Students should have basic idea of the evolution of english language
- They should get aware of different words borrowed from different languages.
- They should have gone through the different sounds of the English language.

Evaluation methods:

- Unit tests- 2 (second week of September and the end of November)
- Assignments-2
- Seminar-2



Section B

Foreign influences on English in the Seventeenth, Eighteenth and the Nineteenth Centuries – Colonialism and the English language – Expansion of Vocabulary – Semantic change- Pidgins and Creoles. Contributions of major writers to the growth of English vocabulary.

Objectives

Students should get the basic idea of Pidgins and Creoles.

Students have to understand 17th, 18th and 19th colonialism and the English Language.

Pre-requisites:

- Students should have to get the basic introduction of 17th, 18th , 19th English Language
- They should know the important Language.

Evaluation methods:

- Unit tests- 2 (First week of September and the end of November)
- Assignments-2
- Seminar 2

Section C

The discrepancy between spelling and pronunciation - Attempts to reform English spelling – Evolution of Standard English - Dialects of English: British and American – English in India – English in the postcolonial world – English as a global language — The rise of ‘englishes’ – impact of Science and Technology – English in the digital age.

Objectives:

- Students understand different Dialects of English
- Difference between Science and English

Pre-requisites:

- They should know the discrepancy between Spelling and Pronunciation.
- They should have basic ideas about how English became global Language.

Evaluation methods:

- Unit tests- 2 (First week of September and the end of November)
- Assignments-2
- Seminar 2

Common Course
ENG1A02 WAYS WITH WORDS
CREDITS (4)
HOURS 90

Semester Plan-2020 admission (Online mode)

Name of the teacher: SHAIMINA C

1. Date of starting the semester: 01/07/2020
2. Expected semester end: 30 /11/2020
3. Total hours required as per syllabus: 90

Objective of this paper

- a. To help students develop the acumen to read, appreciate and discuss literature.
 - b. To introduce students to the linguistic qualities of a literary text and to unravel the meanings of the text.
- C To acquaint the students with different genres of literature and to analyse them.
- b. To introduce students to the thematic concerns, genres and trends of literature in English.

Module 1- Poetry

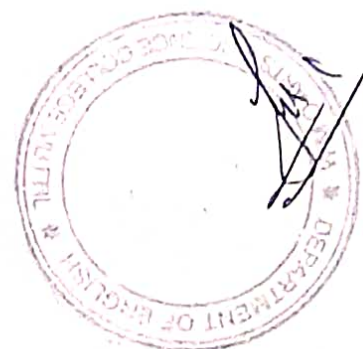
- 1 Sonnet 29: Shakespeare
- 2 Ode to Autumn: John Keats
- 3 A Roadside Stand: Robert Frost
- 4 The House Of My Childhood- Dillip Chithre
- 5 Old Folks Laugh- Maya Angelou
- 6 Once Upon a Time: Gabriel Okara
- 7 The Times They are A Changing - BOB Dylan

Objectives of this section

- To enable the students to appreciate the beauty of the poem.
- To develop aesthetic sense and literary taste in the student
- To provide an overview of Poetry in English literature.
- To introduce the students to the basic elements of poetry, including the stylistic and rhetorical devices employed in poetry, and to various genres of poetry.

Pre-requisites:

- Students should have basic idea of English Literature
- They should get various poetic devices



- They should be able to go through line by line analysis of poem

Evaluation methods:

- Unit tests- 2 (second week of Aug and the second week of September)
- Assignments-2
- Seminar-2

Module 2: SHORT STORIES

1 Appointment in Samarra: W Somerset Maugham

2 A Shocking Accident: Graham Greene

3 Lamb to the Slaughter: Roald Dahl

4 It Used to be Green Once: Patricia Grace

Objectives

- Students understand the basics of fiction in English Literature
- Major themes, motifs and literary background in English short stories.
- To introduce students to the thematic concerns, genres and trends of short stories in English

Pre-requisites:

- They should know the basics narrative techniques in fiction
- They should have basic ideas about the writers and their literary background

Evaluation methods:

- Unit tests- 2 (First week of September and the end of October)
- Assignments-2
- Seminar 2

Module 3: ESSAY

1. Bores: E. V Lucas

2. Night walkers and Mystery Mongers: sense and Nonsense at the Edge of science: Carl Sagan

Objectives

- a. To familiarize the students with different types of prose writing.

- b. To introduce to them the basic concepts of style and literary devices in essays.
- c. To acquaint them with cultural diversity and divergence in perspectives.
- d. To develop their critical thinking abilities and write creatively and critically

Pre-requisites:

- Students should have basic idea of English Literature
- Students should familiarize with different types of prose writing.

Evaluation methods:

- Unit tests- 2 (second week of September and the end of October)
- Assignments-2
- Seminar 2

Module 4: ONE ACT PLAY

1- Something Unspoken: Tennessee Williams

Objectives

- To enable the students to critically appreciate English plays.
- To develop aesthetic sense and literary taste in the student.
- To provide an overview of one act plays in English literature.
- Students have to understand the techniques of English Drama.

Pre-requisites:

- Students should have to get the basic introduction to English Drama
- They should know the important playwrights
- They should have knowledge about the theme, motifs and techniques

Evaluation methods:

- Unit tests- 2 (First week of October and the end of November)
- Assignments-2
- Seminar 2

WMO ARTS AND SCIENCE COLLEGE MUTTIL
DEPARTMENT OF HINDI
COURSE WISE SEMESTER PLAN 2021-2022

DEPARTMENT -----HINDI

SEMESTER PLAN --SECOND SEMESTER BCA/B.sc Electronics

SEMESTER PERIOD -- 25/04/2021—31/07/2021

NAME OF THE PAPER --POETRY AND SHORT STORIES

NAME OF THE TEACHER—Dr. HEMALATHA C P

TOTAL HOURS PRESCRIBED AS PER SYLLABUS—90 Hours

NUMBER OF MODULES --4

**TEACHING PLATFORMS - Google classroom, Google meet, Whatsapp,
Youtube**

MODULE 1---Ancient and medieval Hindi poetry

OBJECTIVES OF THE COURSE

- 1. Appreciation of literature.**
- 2. To know the different movements and periods in India**

EVALUATION METHODS

- 1. Question and answer sessions**
- 2. Class tests**

EXPECTED OUTCOME

- 1. Familiarize Hindi Poems to the students for appreciation and critical analysis**
- 2. Understand the common techniques underlying free verse and traditional poetry.**

NUMBER OF HOURS- 32 hours

THE TIME PERIOD REQUIRED TO FINISH THE MODULE --25/04/2021--

15/05/2021

TEACHING METHODS

LECTURE METHODS

1. Lecture methods
2. Group discussion methods

Module---4---Selected short stories

OBJECTIVES

1. Students get to know various cultures and construction of gender, nation and race throughout the history.
2. To help them develop their creative thinking and writing.

EVALUATION METHODS

1. Question and answer methods
- 2 Class tests.

EXPECTED OUTCOME

1. The prescribed fiction helps the students to learn human values and behavioral patterns from great works of art, and develops the ability to understand human race.
2. Familiarize Hindi stories to the students for appreciation and critical analysis.

NUMBER OF HOURS---12 hours

THE TIME PERIOD REQUIRED TO FINISH THE MODULE---16/07/2021---
31/07/2021

TEACHING METHODS

1. Lecture methods
- 2 Group discussion

EVALUATION

1. UNIT TESTS

Class tests every month

2. ASSIGNMENTS---2
3. SEMINAR
4. VIVA


Dr. Hemalatha C.P.

GROUP DISCUSSION

MODULE 2—Modern poetry in Hindi

OBJECTIVES

1. Identify personal experiences that can be used when writing poems.
2. To help them develop their creative thinking and writing.

EVALUATION METHODS

1. Question and answer sessions
2. Class tests.

EXPECTED OUTCOME

1. Develop strategies and methods for creative thinking and writing
2. Examine issues raised by the writers and discuss its effects on society.
3. Understand the basic terminology and practical elements of poetry.

NUMBER OF HOURS –34 hours

TIME PERIOD REQUIRED TO FINISH THE MODULE—15 /05/2021---
30/06/2021

TEACHING METHODS

1. LECTURE METHODS
2. GROUP DISCUSSION

MODULE 3— Selected HINDI Short stories

OBJECTIVES

1. To introduce Hindi short stories to the students for appreciation and critical analysis
2. To help them develop their creative thinking and writing.

EVALUATION METHODS

1. Question and answer methods
2. Class tests.

EXPECTED OUTCOME

1. Explore how writers use the resource in a language to explore the entire range of human experience through stories as literary form.
2. Familiarize Hindi stories to the students for appreciation and critical analysis.

NUMBER OF HOURS—12hrs

THE TIME PERIOD REQUIRED TO FINISH THE MODULE—01/07/2021-
15/07/2021

TEACHING METHODS

WMO ARTS & SCIENCE COLLEGE
DEPARTMENT OF HINDI
COURSE WISE SEMESTER PLAN

Semester Plan	: Third semester BA/B.Sc
Semester Period	: 01/09/2021 to 28/02/2022
Name of the Paper	: Poetry in Hindi
Name of the Teacher	: Rasitha Sahadevan
Total Credits	: 4
No. of contact hours	: 90
No. of modules	: 4
Internal	: 20 marks
External	: 80 marks

Module 1

Ancient Hindi Poetry

Objectives

- To sensitive the students to the aesthetic cultural and social aspects of literary appreciation and analysis.
- To familiarise the students with selected poems of ancient period.
- To understand the origin and development of Hindi poetry

Teaching Method

- Interactive Lecturing Method
- Group Discussion method
- Translation method

Evaluation Method

- Assignments
- Question and answer method
- Test paper

Expected Outcomes

- To understand the common techniques underlying free verse and traditional forms of poetry
- To enable them to understand the thought and imagination contained in the poem
- To understand the common techniques in traditional forms of poetry

No. of hours: 25 hours

Platform: Google Classroom, Google meet, YouTube links

The period required to finish the module :01/09/21 to 20/10/21

Module 2

Modern Hindi poetry – A collection of poems of different periods representing different styles and themes.

Objectives

- Appreciation of poetry using the best specimens provided in an anthology
- To understand the modern Hindi poetry through a collection of poems of different periods representing different styles and themes

Teaching Method

- Interactive Lecturing method
- Group discussion method

Evaluation Method

- Seminars

- Assignments
- Test Paper

Expected Outcomes

- To identify personal experiences that can be used when writing poems
- To understand the basic terminology and practical elements of poetry

No.of hours: 25 hours

Platform used: Google Classroom, Google meet, Whatsapp

The period require to finish the module :21/10/21 to 30/11/21

Module 3

A collection of poems from different period

Objective

- To familiarise the students with selected poems of different periods

Teaching Method

- Interactive Lecturing method
- Group discussion method
- Translation method

Evaluation Method

- Question and answer method
- Assignments
- Seminars
- Test Paper

Expected Outcomes

- To identify personal experience that can be used while writing poems

- To understand basic terminology and practical elements of poetry

No.of hours: 20 hours

Platform used: Online (Google Classroom, Google meet) & offline mode

The period required to finish the module: 01/12/21 to 20/01/22

Module 4

Khandakavya

Objectives

- Appreciation of poetry using the best specimens provided in anthology
- To develop aesthetic sense and literary taste in the students

Teaching Method

- Interactive Lecturing method
- Group Discussion method

Evaluation Method

- Question Answer Method
- Assignments
- Test paper

Expected Outcomes

- To understand the common techniques in traditional forms of poetry
- To identify personal experience that can be used while writing poems
- To understand practical elements of poetry

No.of hours: 15 hours

Platform used: Offline (direct interaction)

The period require to finish the module : 21/01/22 to 28/02/22

Evaluation

Monthly Test, Assignments, Seminars, Viva-voce

Devitha Sahadwan

D.S.

HR

Dr Hemalatha. C. P

WMO ARTS & SCIENCE COLLEGE

DEPARTMENT OF HINDI

COURSE WISE SEMESTER PLAN

Department	: Hindi
Semester Plan	: 2nd Semester B.Com/BBA
Semester Period	: 25/05/2021 to 30/08/2021
Name of the Paper	: Poetry, Correspondence & Translation
Name of the Teacher	: Rasitha Sahadevan
Total Credits	: 4
No. of contact hours	: 90
No. of modules	: 4
Internal	: 20 marks
External	: 80 marks

Module 1

Objectives:

- To sensitise the students to the aesthetic cultural and social aspects of the literary appreciation and analysis.
- To familiarize the students with selected poems of different periods.

Teaching Method

- Interactive Lecturing Method
- Discussion method

Evaluation Method

- Assignments
- Question and answer method
- Test paper

Expected Outcomes

- Understand the common techniques underlying free verse
- Understand the common techniques in traditional forms of poetry

No. of hours : 30 hours

The period required to finish the module :25/05/21 to 26/06/21

Module 2

Objective

To familiarise the students with selected poem of different periods

Teaching Method

- Interactive Lecturing method
- Group discussion method

Evaluation Method

- Question and Answer method
- Seminars
- Assignments
- Test Paper

Expected Outcomes

- To identify personal experience that can be used while writing poems
- To understand the practical elements of poetry

No.of hours : 30

The period require to finish the module :27/06/21 to 30/07/21

Module 3

Objectives

- To make them aware of importance of correspondence and translation
- To make them proficient to prepare certain basic kinds of letters independently in their personal and professional life

Teaching Method

- Letter Writing Practice

Evaluation Method

- Exams

Expected Outcomes

- Progress in letter writing & understand the basic terminology

No.of hours : 20

The period required to finish the module: 01/08/21 to 16/08/21

Module 4

Objective

- Translation
- Familiarising the technology of translation with its possibilities

Teaching Method

- Translation Practice

Evaluation Method

- Exams

Expected Outcomes


- Define the link between translation theory and translation practice
- Define the contribution of translation practice to translation theory
- Define the effects of translation theories on translation practice
- To able to translate


No. Of hours: 10 hours

Enter the period required to finished the module: 17/08/21 to 30/08/21

Evaluation

Monthly test, Assignment, Seminar and Viva voce

Daxitha Sahadevas



Dr. Hemalatha. C.P

WMO ARTS AND SCIENCE COLLEGE
DEPARTMENT OF HINDI
COURSE WISE SEMESTER PLAN

Semester Plan	: Third semester BA/B.Sc
Semester Period	: 01/09/2021 to 28/02/2022
Name of the Paper	: Poetry in Hindi
Name of the Teacher	: Dr. Hemalatha C P
Total Credits	: 4
No. of contact hours	: 90
No. of modules	: 4
Internal	: 20 marks
External	: 80 marks

Module 1

Ancient Hindi Poetry

Objectives

- To sensitive the students to the aesthetic cultural and social aspects of literary appreciation and analysis.
- To familiarise the students with selected poems of ancient period.
- To understand the origin and development of Hindi poetry

Teaching Method

- Interactive Lecturing Method
- Group Discussion method
- Translation method

Evaluation Method

- Assignments
- Question and answer method
- Test paper

Expected Outcomes

- To understand the common techniques underlying free verse and traditional forms of poetry
- To enable them to understand the thought and imagination contained in the poem
- To understand the common techniques in traditional forms of poetry

No. of hours: 25 hours

Platform: Google Classroom, Google meet, YouTube links

The period required to finish the module :01/09/21 to 20/10/21

Module 2

Modern Hindi poetry – A collection of poems of different periods representing different styles and themes.

Objectives

- Appreciation of poetry using the best specimens provided in an anthology
- To understand the modern Hindi poetry through a collection of poems of different periods representing different styles and themes

Teaching Method

- Interactive Lecturing method
- Group discussion method

Evaluation Method

- Seminars

- Assignments
- Test Paper

Expected Outcomes

- To identify personal experiences that can be used when writing poems
- To understand the basic terminology and practical elements of poetry

No.of hours: 25 hours

Platform used: Google Classroom, Google meet, Whatsapp

The period require to finish the module :21/10/21 to 30/11/21

Module 3

A collection of poems from different period

Objective

- To familiarise the students with selected poems of different periods

Teaching Method

- Interactive Lecturing method
- Group discussion method
- Translation method

Evaluation Method

- Question and answer method
- Assignments
- Seminars
- Test Paper

Expected Outcomes

- To identify personal experience that can be used while writing poems

- To understand basic terminology and practical elements of poetry

No.of hours: 20 hours

Platform used: Online (Google Classroom, Google meet) & offline mode

The period required to finish the module: 01/12/21 to 20/01/22

Module 4

Khandakavya

Objectives

- Appreciation of poetry using the best specimens provided in anthology
- To develop aesthetic sense and literary taste in the students

Teaching Method

- Interactive Lecturing method
- Group Discussion method

Evaluation Method

- Question Answer Method
- Assignments
- Test paper

Expected Outcomes

- To understand the common techniques in traditional forms of poetry
- To identify personal experience that can be used while writing poems
- To understand practical elements of poetry

No.of hours: 15 hours

Platform used: Offline (direct interaction)

The period require to finish the module : 21/01/22 to 28/02/22

Evaluation

Monthly Test, Assignments, Seminars, Viva-voce



Dr. Hemalatha C.P

WMO ARTS & SCIENCE COLLEGE
COURSE WISE SEMESTER PLAN 2021-22

Department : Hindi

Semester Plan : Fourth Semester BA/B.Sc

Semester Period. : 01/03/2022 to 30/06/2022

Name of the Paper : Novel And Short Stories

Name of the Teacher : Rasitha Sahadevan

Total Credits : 4

No. of contact hours : 90

No. of modules : 3

Internal : 20 marks

External : 80 marks

Module 1

Short Stories from the collection

Objectives:

- To sensitive the students to the aesthetic cultural and social aspects of literary appreciation and analysis.
- To acquaint the students with different forms of thoughts and styles of hindi fiction •
To help them to develop their thinking and writing

Teaching Method

- Interactive Lecturing Method
- Group Discussion method

Evaluation Method

- Assignments
- Question and answer method

- Test paper

Expected Outcomes

- To enable the students to analyze literature and fiction using appropriate theoretical, historical and cultural apparatus.
- Students get to know various cultures and the construction of gender, nation and race throughout history.
- The prescribed fiction helps the students to learn human values and the behavioral patterns from great works of art and develop the ability to understand the human race.

No.of hours : 35 hours

The period required to finish the module :01/03/22 to 24/04/22

Module 2

Short stories from the collection

Objectives

- To sensitize the students to aesthetic cultural and social aspects of literary appreciation and analysis
- To acquaint the students with different forms of thoughts and styles of Hindi fiction

Teaching Method

- Interactive Lecturing method
- Group discussion method

Evaluation Method

- Seminars
- Group Discussion
- Assignments
- Test Paper

Expected Outcomes

- To enable the students to analyze literature and fiction using appropriate theoretical, historical and cultural apparatus.
- Students get to know various cultures and the construction of gender, nation and race throughout history.
- The prescribed fiction helps the students to learn human values and behavioral patterns from the great work of art and develops the ability to understand the human race.

No.of hours : 35

The period require to finish the module :25/04/22 to 10/06/22

Module 3

Novel

Objective

- To acquaint students with different forms of thoughts and styles of Hindi fiction •
To help them to develop their thinking and writing.

Teaching Method

- Interactive Lecturing method
- Group discussion method

Evaluation Method

- Question and answer method
- Assignments
- Test Paper

Expected Outcomes

- The prescribed fiction helps the students to learn human values and behavioral patterns from great works of art and develops the ability to understand human race.
- Students get to know various cultures and the construction of gender,nation and race

throughout history.

No. of hours : 20

The period required to finish the module: 11/06/22 to 30/06/22

Evaluation

Monthly test, Assignment, Seminar and Viva

Basitha Sahadewam





Dr. Hemalatha. c-P

WMO ARTS & SCIENCE COLLEGE
DEPARTMENT OF HINDI
COURSE WISE SEMESTER PLAN 2021-22

Department	: Hindi
Semester Plan	: Fourth Semester BA/B.Sc
Semester Period.	: 01/03/2022 to 30/06/2022
Name of the Paper	: Novel And Short Stories
Name of the Teacher	: Dr. Hemalatha C P
Total Credits	: 4
No. of contact hours	: 90
No. of modules	: 3
Internal	: 20 marks
External	: 80 marks

Module 1

Short Stories from the collection

Objectives:

- To sensitive the students to the aesthetic cultural and social aspects of literary appreciation and analysis.
- To acquaint the students with different forms of thoughts and styles of hindi fiction
- To help them to develop their thinking and writing

Teaching Method

- Interactive Lecturing Method
- Group Discussion method

Evaluation Method

- Assignments
- Question and answer method
- Test paper

Expected Outcomes

- To enable the students to analyze literature and fiction using appropriate theoretical, historical and cultural apparatus.
- Students get to know various cultures and the construction of gender, nation and race throughout history.
- The prescribed fiction helps the students to learn human values and the behavioral patterns from great works of art and develop the ability to understand the human race.

No.of hours : 35 hours

The period required to finish the module :01/03/22 to 24/04/22

Module 2

Short stories from the collection

Objectives

- To sensitize the students to aesthetic cultural and social aspects of literary appreciation and analysis
- To acquaint the students with different forms of thoughts and styles of Hindi fiction

Teaching Method

- Interactive Lecturing method
- Group discussion method

Evaluation Method

- Seminars
- Group Discussion
- Assignments
- Test Paper

Expected Outcomes

- To enable the students to analyse literature and fiction using appropriate theoretical, historical and cultural apparatus.
- Students get to know various cultures and the construction of gender, nation and race throughout history.
- The prescribed fiction helps the students to learn human values and behavioral patterns from the great work of art and develops the ability to understand the human race.

No.of hours : 35

The period require to finish the module :25/04/22 to 10/06/22

Module 3

Novel

Objective

- To acquaint students with different forms of thoughts and styles of Hindi fiction
- To help them to develop their thinking and writing.

Teaching Method

- Interactive Lecturing method
- Group discussion method

Evaluation Method

- Question and answer method
- Assignments
- Test Paper

Expected Outcomes

- The prescribed fiction helps the students to learn human values and behavioral patterns from great works of art and develops the ability to understand the human race.
- Students get to know various cultures and the construction of gender, nation and race throughout the history.

No.of hours : 20

The period required to finish the module: 11/06/22 to 30/06/22

Evaluation

Monthly test, Assignment, Seminar and Viva



Dr. Hemalatha. C.P

W.M.O ARTS & SCIENCE COLLEGE, MUTTIL

DEPARTMENT OF COMPUTER SCIENCE

ACADEMIC YEAR: 2021-22[Sixth SEMESTER] Course wise semester plan

Name of Teacher : Jamsheed K P

CourseTitle : Operating Systems			
Scheme (L:T:P) : 5:4:1	Total Contact Hours: 80	Course Code: BCA6B12	
Type of Course: Lectures, Self Study & Student Activity.	Credit :03	Core/ Elective: Core	
CIE-15Marks		SEE- 60Marks	

Prerequisites

Knowledge in Data structures various concepts of OS.

CourseObjectives

- To learn objectives & functions of Operating Systems.
- To understand processes and its life cycle.
- To learn and understand various Memory and Scheduling Algorithms.
- To have an overall idea about the latest developments in Operating Systems.

COURSE OUTCOMES

	Course Outcomes	Cognitive Level	Teaching Hours
Unit 1	Operating System - Objectives and functions - The Evolution of Operating Systems: Serial Processing, Simple batch Systems, Multi Programmed batch Systems, Time Sharing Systems, Parallel Systems, Distributed Systems, Real time systems. Definition of Process, Process States, Process Control Block, Operations on Process, Process Communication, Communication in Client server System, Basic concepts of threads, Concurrency, Principles of Concurrency, Mutual exclusion, Semaphores, Messages, Dead lock: Prevention, Detection, Avoidance.	Understand	16
Unit 2	Unit II [13 T + 3P] Linux Shell Programming: Introduction – Shells available in Unix: Bourne shell (sh), C shell (csh), TC shell (tcsh), Korn shell (ksh), Bourne Again SHell (bash). Bash: special characters – getting help – man pages – Linux Directory Layout – Command for Navigating the Linux Filesystems: pwd, cd, ls, file, cat, cp, mv, mkdir, rmdir, whereis – Piping and Redirection - Informational Commands: ps, w, id, free – clear, echo, more. File permissions – Setting	Understand/Apply	16

	Permissions – Making a file executable. Creating shell programs: comments, variables, operators (arithmetic, relational, logical) – single and double quotes - read – echo – test - conditional commands, iterative commands – break – continue - evaluating expressions using expr, bc – strings – grep – arrays.		
Unit 3	CPU Scheduling: Scheduling Criteria, Scheduling algorithms: FCFS, SJF, Priority, RR, Multilevel, Feedback Queue - Process synchronization, The Critical Section Problem, Synchronization Hardware, Classical Problems of Synchronization: Reader Writer, Dining Philosopher. File and Database System, File System, Functions of organization, Allocation and Free Space Management.	Create/ Apply	16
Unit 4	Memory Management, Address Binding, Logical Vs Physical Address Space, Dynamic Loading, Dynamic Linking and Shared Libraries, Overlays, Swapping, Contiguous Memory allocation, Paging, Segmentation, Virtual memory, Demand Paging, Page Replacement, Thrashing.	Underst and/Cre ate/Appl y	16
Unit 5	Protection and security: policy and mechanism, authentication, authorization. Mobile OS: Concepts, history, features, architecture, future scope. Case studies: Android, UNIX kernel and Microsoft Windows NT (concepts only).	Underst and	16

Mapping CO with PO/PSO

Course: Operating Systems

	Course Outcomes	PO(1..12) & PSO(1..2) MAPPING
Unit 1	Operating System - Objectives and functions - The Evolution of Operating Systems: Serial Processing, Simple batch Systems, Multi Programmed batch Systems, Time Sharing Systems, Parallel Systems, Distributed Systems, Real time systems. Definition of Process, Process States, Process Control Block, Operations on Process, Process Communication, Communication in Client server System, Basic concepts of threads, Concurrency, Principles of Concurrency, Mutual exclusion, Semaphores, Messages, Dead lock: Prevention, Detection, Avoidance.	PO1, PO2,
Unit 2	Unit II [13 T + 3P] Linux Shell Programming: Introduction – Shells available in Unix: Bourne shell (sh), C shell (csh), TC shell (tcsh), Korn shell (ksh), Bourne Again SHell (bash). Bash: special characters – getting help – man pages – Linux Directory Layout – Command for Navigating the Linux Filesystems: pwd, cd, ls, file, cat, cp, mv, mkdir, rmdir, whereis – Piping and Redirection - Informational Commands: ps, w, id, free – clear, echo, more. File permissions – Setting Permissions – Making a file executable. Creating shell programs: comments, variables, operators (arithmetic, relational, logical) – single and double quotes - read – echo – test - conditional commands, iterative commands – break – continue - evaluating expressions using expr, bc – strings – grep –	PO1, PO2, PO3

	arrays.	
Unit 3	CPU Scheduling: Scheduling Criteria, Scheduling algorithms: FCFS, SJF, Priority, RR, Multilevel, Feedback Queue - Process synchronization, The Critical Section Problem, Synchronization Hardware, Classical Problems of Synchronization: Reader Writer, Dining Philosopher. File and Database System, File System, Functions of organization, Allocation and Free Space Management.	PO1, PO2, PO3
Unit 4	Memory Management, Address Binding, Logical Vs Physical Address Space, Dynamic Loading, Dynamic Linking and Shared Libraries, Overlays, Swapping, Contiguous Memory allocation, Paging, Segmentation, Virtual memory, Demand Paging, Page Replacement, Thrashing.	PO1, PO2, PO4
Unit 5	Protection and security: policy and mechanism, authentication, authorization. Mobile OS: Concepts, history, features, architecture, future scope. Case studies: Android, UNIX kernel and Microsoft Windows NT (concepts only).	PO1, PO2, PO5, PO6

SNO	PO 1	PO2	PO3	PO4	PO5	PO6
Unit 1	3	1	1		1	
Unit 2	3	2	3			
Unit 3	3	3	3	3		
Unit 4	3	3	3		3	
Unit 5	3	3				3

Level 3- Highly Addressed, Level 2-Moderately Addressed, Level 1-Low Addressed.

Method is to relate the level of PO with the number of hours devoted to the COs which address the given PO. If >40% of classroom sessions addressing a particular PO, it is considered that PO is addressed at Level 3
 If 25 to 40% of classroom sessions addressing a particular PO, it is considered that PO is addressed at Level 2
 If 5 to 25% of classroom sessions addressing a particular PO, it is considered that PO is addressed at Level 1
 If < 5% of classroom sessions addressing a particular PO, it is considered that PO is considered not-addressed.

Lesson Plan

Course Data Structures Using C

Required Text Books:

- B1 :Silberschatz, Galvin and Gagne, Operating System Concepts,
- B2 :John Willey & Sons William Stallings, Operating Systems, Internals and Design Principles.
- B3.Mendel Cooper, Advanced Bash-Scripting Guide
- B4:Nutt G.J, Operating Systems: A Modern Perspective, Addison Wesley

Web references

W1. https://www.mygreatlearning.com/blog/operatin_systems

W2 <https://www.javatpoint.com/osconcepts-tutorial>

W3 : <https://www.geeksforgeeks.org/operating-system/>

Required Reference Teaching Method:

TM1- Lectures, TM2- Illustration by example, TM3-Problem Solving, TM4- Assignments TM5- Students Seminar, TM-6 Exams

Required Reference Teaching Aid: BM- Board &Marker,P.P.T- Power Point presentation

PDF,GM-Google Meet [Assignment Set 1](#)

Question No.	Knowledge Domain	CO's
1.	Understand	CO1,CO2
2	Apply	CO1,CO2
3	Understand	CO1
4	Apply	CO1

1. To understand basic classification OS.
2. To identify various OS functions.
3. To Understand various unix based system calls.
4. To understand paging and various scheduling concepts.
5. To understand various protection and security methods.

Program outcomes

PO1: to make basic idea of Operating system concepts.

PO2:Understand the concept of multiprocessing issues and its complexity.

PO3:Understand basic OS functionalities.

PO4: Understand various concepts of Address binding.

PO5:Understand swapping and paging concepts

PO6; Understand security and protection of OS.

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WMO Arts and Science College, Muttil
Department of Computer Science -Course wise Semester Plan

Department	: BCA
Semester	: Fifth Semester BCA 2021-22
Semester Period	: June to November
Name of Paper PHP	:BCA5B09 Web programming using
Name of Teacher	:Rasheed N K
Total No. of hours prescribed in the syllabus	: 4 days in week
No. of Modules	: Five

Objectives

- Understand advanced features of HTML
- Understand advanced Scripting Language(Java Script)
- Understand how server-side programming works on the web.
- PHP Basic syntax for variable types and calculations.
- Creating conditional structures
- Storing data in arrays
- Using PHP built-in functions and creating custom functions
- Understanding POST and GET in form submission.
- How to receive and process form submission data.
- Reading and writing cookies and Security tips (i.e. SQL Injection)
- Create a database in phpMyAdmin.
- Read and process data in a MySQL database.

Requirements

- Basics Knowledge of HTML and CSS
- A Computer with a Internet Connection
- Web Design Concepts

Description

Welcome to my course **Web Programming using PHP & MySQL**

This course will be an all in one solution that helps you to learn how to create a web application using PHP and MySQL, all at one place. This course is a complete mixture of multiple technologies like HTML, CSS, Java Script, JQuery, Bootstrap and AJAX along with PHP and MySQL.

Course Outcomes

Unit	Course Outcomes	Cognitive Level	Teaching Hours	Teaching Method
1	To understand advanced features of HTML & How to use HTML Forms	Apply	10	Lectures
2	To understand Scripting Language (Java Script)	Apply	13	Lectures and Problem solving with LAB
3	Basics of PHP	Apply	10	Lectures
4	PHP programs that uses library functions and other advanced features	Apply	13	Problem solving with LAB
5	Database connectivity with PHP	Apply	14	Problem solving with LAB

Unit I

Introduction web-documents:

1. Static, Dynamic, Active - Web programming: client side and server side scripting.
2. HTML 5: Document Structure, Elements, Attributes, Types of Elements and Attributes,
3. Basic HTML Data types. Using HTML5 form elements: datalist, keygen, output, progress, meter.
4. File uploading using forms - Frameset and frames. CSS: External CSS, CSS3 Syntax, Selector: Universal, Class, ID. Working with Lists and Tables, CSS ID and Class - Navigation Bar - Image Gallery - Image Opacity.

Unit II

1. Javascript: Introduction,
2. Data types. Operators: Arithmetic, Assignment, Relational, Logical. Conditional Statements, Loops, break and continue.
3. Output functions:. Functions: Built-in Global Functions:
4. User Defined Functions, Calling Functions with Timer, Events Familiarization: onLoad, onClick, onBlur, onSubmit, onChange, Document Object Model (Concept). Objects: String, Array, Date.

Unit III

1. Introduction to PHP
 1. What is PHP
 2. Need of PHP
 3. Versions of PHP
 4. PHP Installation
 5. WAMP Server & XAMPP Server
2. Getting Started
 1. Creating First PHP script
 2. Where to store PHP page.
 3. Things to remember when saving PHP page.
 4. Server configuration of Adobe Dreamweaver
3. Variables in PHP
4. Operators in PHP
 1. Types

1. Unary
2. Binary
3. Ternary
2. Classifications
 1. Arithmetic
 2. Relational
 3. Logical
 4. Assignment
 5. Bitwise
 6. String
3. Operands and Expressions
5. Conditional Statements in PHP
 1. If-Else
 2. Switch-Case
6. Loops in PHP
 1. for
 2. while
 3. do-while
 4. for each
7. Functions in PHP
 1. Built-in Functions
 2. User defined functions

Unit IV

8. Form Handling
 1. GET
 2. POST
9. Email Sending
10. State Management
 1. Cookies
 2. Sessions
11. PHP Sanitization / Filters
12. Validations in PHP

Unit V

13. Introduction to MySQL
14. MySQL database connectivity with PHP
15. Creating database
16. Creating tables
17. Creating columns and other constraints
18. Creating Views, Stored Procedures and triggers
19. Joins and relationships
20. CRUD Operations using PHP and MySQL
21. Object Oriented PHP

References:

1. HTML 5 Blackbook, Dreamtech Press, ISBN 9879351199076, 2016 Edition.
2. W. Gilmore, Beginning PHP and PostgreSQL 8: From Novice to Professional , Goels Computer Hut (2007), ISBN: 9788181286000
3. HTML 5 Blackbook, Dreamtech Press, ISBN 987-93-5119-907-6, 2016 Edition.

4. Jon Duckett, Beginning Web Programming with HTML,XHTML, CSS, Wrox.
5. Jim Converse & Joyce Park, PHP & MySQL Bible, Wiley.
6. PosgreSQL Official Documentation Online



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Department of Computer Science -Course wise Semester Plan

Name of Teacher	RASHEED N K	Department	Computer Science
Course	Bachelor of Computer Application	Semester	Four
Paper	DBMS and RDBMS	Academic Year	2021- 2022
Learning Objectives			
<ul style="list-style-type: none">● Fundamentals of database management systems.● Methods to store and retrieve data.● To enable the student to understand, how data is organized for efficient storage , retrieval and updation in the database			
Learning Outcomes			
On successful completion of this course, a student will be able to: <ul style="list-style-type: none">● Differentiate between database systems and file systems.● Describe the features of database management systems.● Analyze the problem and arrive at an information model in the form of an ER diagram● Normalize a database.● Transform an ER model into a relational database schema.● Use SQL for query and data update operations			
Lesson Plan			
Week No.	Theme/ Curriculum	Any Additional Information	
Week 1 and Week 2	Unit 1 Database: Introduction to database and DBMS, DBMS architecture, data independence, components		

	of database systems, front end tools.	
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SEMESTER PLAN – DBMS and RDBMS

Week No.	Theme/ Curriculum	Any Additional Information
Week 3 to Week 5	Unit 2 E-R Modeling: Entity types, entity set, attribute and key, relationships, relation types, ER diagrams, Database design using ER diagrams.	
Week 5 to Week 7	Unit 3 Relational Data Model: Relational model concepts, relational constraints, primary key, foreign key, candidate key, alternate key, composite key, super key.	
Week 8 to Week 10	Unit 4 Normalization: Functional dependencies, First, Second and Third normal forms	
Week 11 and Week 12	Unit 5 - Introduction to Structured Query Language: Overview of SQL query language, Data definition and manipulation languages, set operations.	

SCHEME OF INTERNAL EXAMINATION:

2 Internal tests will be conducted during the semester.

I Test - 25 marks [Duration 1 hr]

II Test - 30 marks [Duration 1 hrs]

ASSIGNMENTS :

2 Individual & 1 Group Assignments will be given with a specific topic well in advance.

PRESENTATION/ROLE-PLAY:

Individual Presentation & Group wise Role-Play activities will be carried out to initiate fun learning practices in the classroom to break monotonous lectures. This practice will help students to develop their stage courage & team spirit, which is very essential to students.

MODEL ANSWER PAPER/BANK:

Ultimately after completion of course syllabus, all the students should solve previous years University Examination question paper & the model answer paper should be submitted to the faculty for rectification.

Suggested Readings

Books	<ol style="list-style-type: none">1. Date, C. J, Kanman, A., & Swamynathan, S. (2006). An Introduction to Database Systems (8th edition). Pearson.2. Silberschatz, A., Korth, H.F., & Sudarshan, S. (2011). Database System Concepts (6th edition). Tata McGraw-Hill Education.3. Bayross, I. (2010). SQL, PL/SQL the Programming Language of Oracle (4th edition). BPB Publications.4. Elmsasri, R., & Navathe, S. (2017). Fundamentals of Database Systems (7th Edition). Pearson Education.5. Ramakrishnan, R., & Gehrke, J. (2014). Database Management Systems (3rd edition). Tata McGraw Hill Education.6. Widenius, M., Axmark, D., Cole, J., Lentz, A., & Dubois, P. (2002). MySQL Reference Manual. O'Reilly Community Press.
Online Resources (If Any)	<p>https://www.tutorialspoint.com/dbms/index.htm https://www.w3schools.in/dbms https://www.w3schools.com/sql/</p>

Assignment and Class Test Schedule for Semester

First Internal Examination on 15th DECEMBER 2021

Second Internal Examination on 10th March 2022

Assignment given on 23rd January 2022



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W.M.O ARTS & SCIENCE COLLEGE, MUTTIL DEPARTMENT OF COMPUTER SCIENCE ACADEMIC YEAR: 2021-22 THIRD SEMESTER Course wise semester plan
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Course Title: Theory of Computation		
Scheme (L:T:P) : 4:0:0	Total Contact Hours: 80	Course Code: BCA3C06
Type of Course: Lectures, Self Study & Student Activity.	Credit : 03	Core/ Elective: Core
CIE- 15 Marks SEE- 60 Marks		

Prerequisites

Basic knowledge in discrete structures and graph theory.

Course Objectives

To get a general introduction to the theory of Computer Science
 To get a general understanding on different languages, grammar and automata

COURSE OUTCOMES

	Cours e Outco mes	Cognitiv e Level	Teachin g Hours
Uni t 1	Understand the Mathematical preliminaries	Understa nd	10
Uni t 2	Understand the fundamental concepts of Formal languages and automata theory	Understa nd	10
Uni t 3	Able to solve various automata's and corresponding languages.	Apply	20
Uni t 4	Ability to describe the language accepted by an automata or generated by a regular expression or a context-free grammar;	Apply	20

Level 3- Highly Addressed, Level 2-Moderately Addressed, Level 1-Low Addressed.

Method is to relate the level of PO with the number of hours devoted to the COs which address the given PO. If >40% of classroom sessions addressing a particular PO, it is considered that PO is addressed at Level 3

If 25 to 40% of classroom sessions addressing a particular PO, it is considered that PO is addressed at Level 2 If 5 to 25% of classroom sessions addressing a particular PO, it is considered that PO is addressed at Level 1

If < 5% of classroom sessions addressing a particular PO, it is considered that PO is considered not-addressed.

Lesson Plan

Course: THEORY OF

COMPUTATION

Required Text Books:

- B1.** 1. Theory of Computer Science- Automata, Languages and Computation- K.L.P. Mishra, N Chandrasekaran, PHI
- 2.Theory of Computation, Sachin Agrawal, Vikas Publishing House

Required Reference Books:

- B2.** Introduction to Automata Theory, Languages & Computations, J.E Hopcroft, R Motwani & J. D. Ullman
- B3.** Elements of theory of Computation, Second edition, H.R. Lewis and C.H. Papadimitriou, Pearson education.
- B4** An Introduction to the Theory of Computer Science, Languages and Machines-Thomas A. Sudkamp, Third Edition, Pearson Education.
An Introduction to Formal languages and Automata- Peter Linz

Web references

- 1.<http://nptel.ac.in/courses/111103016/>
2. <http://www.ics.uci.edu/~goodrich/teach/cs162/notes/>
- 3.https://www.tutorialspoint.com/automata_theory/automata_theory_useful_resources.htm
4. <http://www.eecs.wsu.edu/~ananth/CptS317/Lectures>

Required Reference Teaching Method:

TM1- Lectures, TM2- Illustration by example, TM3-Problem Solving , TM4- Assignments
 TM5- Quiz

Required Reference Teaching Aid: BM- Board &Marker

P.P.T- Power Point presentation

Module 1 [10T]					
Lecture No	Topics to be covered	Time in Minutes	Ref	Teaching Aid	Teaching Method
1.	Introduction to Mathematical preliminaries: Sets,	50	B1,B2	BM	TM1,TM2
2.	Functions and Relations,	180	B2	BM	TM1,TM2,TM4
3.	graphs and trees,	50	B1	BM	TM1,TM2
4.	Strings and their Properties,	50	B1	BM	TM1,TM2
5.	Proof techniques: : By induction,	50	B1	BM	TM1,TM2
6.	: By induction,	50	B1	BM, P.P.T	TM1,TM2,TM4
7.	Formal languages	50	B1	BM, P.P.T	TM1,TM2,TM4
8.	Definitions and examples,	50	B1	BM	TM1,TM2,TM4
9.	Chomsky classification of languages,	50	B2	BM, P.P.T	TM1,TM2,TM4
Module 2[10T]					
1	Languages and their relation,	50	B1	BM	TM1,TM2,TM4
2	Recursive and Recursively enumerable sets,	50	B1	BM	TM1,TM2,TM3
3	Languages and automata	50	B1	BM	TM1,TM2
4	Unit Test 1 Date 8/8/2021	60			
Module 3[20T]					

1	Theory of Automata:	50	B1	BM	TM1, TM2, TM4
2	Definition of automaton,	50	B1	BM	TM1, TM2, TM4
3	description of a finite automaton, DFA,	50	B1	BM, P.P.T	TM1, TM2, TM3, TM4
4	transition systems, properties of transition functions,	50	B1	BM, P.P.T	TM1, TM2, TM3, TM4
5	acceptability of a string by a finite automaton,	50	B1, B2	BM, P.P.T	TM1, TM2
6	Non deterministic finite state machines:	50	B1, B3	BM, P.P.	TM1, TM2, TM3
7	with epsilon moves and without epsilon moves,	50	B1, B3	BM, P.P.	TM1, TM2, TM3
8	equivalence of DFA and NFA,	50	B1	BM, P.P.	TM1, TM2, TM3
9	Mealy and Moore Models, minimization of finite automata.	50	B1, B2,	BM, P.P.	TM1, TM2, TM3
10	Regular sets and grammar: Regular expressions,	120	B2	BM, P.P.T	TM1, TM2, TM3
11	Finite automata and regular expressions,	50	B2	BM, P.P.T	TM1, TM2, TM3
12	closure properties of regular sets,	50	B2	BM, P.P.T	TM1, TM2, TM3
13	Algebraic laws for regular expressions,	50	B3	BM, P.P.T	TM1, TM2, TM3
14	regular sets and regular grammars	50	B3	BM, P.P.T	TM1, TM2, TM3

Module - 4: [20T]					
1	Context free languages:	120	B1	BM	TM1, TM2

2	Context free languages and derivation trees,	110	B1	BM	TM1, TM2
3	Ambiguity in context free grammars,	100	B1	BM, P.P.T	TM1, TM2, TM4
4	Simplification of context free languages,	150	B1, B2	BM	TM1, TM2
5	normal forms for context free languages.	150	B1	BM, P.P.T	TM1, TM2, TM3
Module - 5: [20T]					
1.	Pushdown automata: Definition,	100	B3	BM	TM1, TM2
2.	Acceptance by PDA,	120	B1	BM	TM1, TM2
3	Pushdown automata and Context-free languages	150	B1	BM	TM1, TM2
4.	Parsing and Pushdown Automata	130	B3	BM	TM1, TM2
5	Turing Machines	120	B3	BM	TM1, TM2, TM4
6	Turing machine model	120	B1	BM, P.P.T	TM1, TM2, TM4
7.	representation of Turing machines	120	B1	BM	TM1, TM2, TM3
8	languages accepted by Turing machine.	120	B1	BM	TM1, TM2, TM3
9	Unit Test 2 Between 10-20 october 2021				

**Assignment
Set 1**

Question No.	Knowledge Domain	CO's
1.	Understand	CO2
2	Analyze	CO2
3	Understand	CO1
4	Understand	CO1
5	Apply	CO4
6	Apply	CO4
7	Understand	CO1
8	Apply	CO1

1. What is Grammar?
2. What is a Language?
3. Discuss various types of Grammars with examples?
4. Discuss various types of automata's?
5. What is a FA?
6. Explain Transition system with Example?
7. Define DFA and give example
8. What is Mealy and Moore machines and give one example for each one

Assignment Set 2

Question No.	Knowledge Domain	CO's
1.	Understand	CO3
2	Apply	CO3
3	Apply	CO3
4	Understand	CO3
5	Understand	CO5

6	Understand	CO5
7	Understand	CO5
8	Understand	CO6

1. Define Regular Grammar and give one example?

2. Define PDA with example?

3. Define Context Free Grammar. Give an example?

4. Define Context Free Language?

5. Explain working mechanism of PDA?

6. Discuss various types of PDA with examples?

7. Convert PDA to CFG?

8. Convert CFG to PDA

Programme outcomes

Pso1: focuses on preparing student for roles pertaining to computer applications and IT industry

Pso2: start from the basics and in every semester learns each and everything about computers.

Pso3: develop programming skills, networking skills, learn applications, packages, programming languages and modern techniques of IT

Pso4: get skill and info not only about computer and information technology but also in common, organization and management

Pso5: Learn programming language such as Java, c, HTML, SQL, etc...

Pso6: Information about various computer applications and latest development in IT and communication system is also provided

Pso7: Gives overview of the topics in IT like networking, computer graphics, web development, trouble shooting, and hardware and software skills.

Pso8: Bachelor in computer applications (BCA) gives a number of opportunities to individuals to go ahead and shine in their lives.

Pso9: A few of them being like software programmer, system and network administrator, web designer faculty for computer science and computer applications

Pso10: They will have the ability to understand and analyze a given real-world problem and propose feasible computing solutions

Pso11: They will be able to transform complex business scenarios and contemporary issues into problems, investigate, understand and propose integrated solutions using emerging technologies.

Pso11: They will possess leadership and managerial skills with best professional ethical practices and social concern and will be able to communicate technical information effectively, both orally and in writing.

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W.M.O ARTS & SCIENCE COLLEGE, MUTTIL

DEPARTMENT OF COMPUTER SCIENCE

ACADEMIC YEAR: 2021-22|SECOND SEMESTER|Course wise Semester Plan

Course Title: Operations Research			
	Scheme (L:T:P) : 4:0:0	Total Contact Hours: 64	Course Code: BCA2C04
	Type of Course: Lectures, Self Study & Student Activity.	Credit :03	Core/ Elective: Core
CIE- 15 Marks			SEE- 60 Marks

Prerequisites

Basic Mathematical knowledge

Course Objectives

To get general introduction in solving linear programming problems

To get general understanding of network analysis techniques

To get general understanding of different mathematical models

COURSE OUTCOMES

	Course Outcomes	Cognitive Level	Teaching Hours
Unit 1	Understand the basics of operation research and Linear programming problem (LPP) and the role of OR in decision making. Explain advantages, applications and limitations of OR.	Understand	12
Unit 2	Explain the mathematical formulation of a problem and different techniques to solve the problem	Apply	14
Unit 3	Explain various transportation models 1. Northwest corner method 2. Least cost method 3. Vogels approximation method	Apply	12
Unit 4	Understanding assignment models - Mathematical formulation of the problem - assignment algorithm impossible algorithms - travelling salesman problem	Apply	12
Unit 5	Explain the concept of network scheduling - Concept of network, basic components, PERT and CPM, Rules of network construction, maximal flow problem, project scheduling critical path calculations, advantages of network (PERT/CPM)	Apply	14

Mapping CO with PO/PSO

Course: Computer Organization

	Course Outcomes	PO(1..12) & PSO(1..2) MAPPING
Unit 1	Understand the basics of operation research and Linear programming problem (LPP) and the role of OR in decision making. Explain advantages, applications and limitations of OR.	PSO10,PSO12
Unit 2	Explain the mathematical formulation of a problem (LPP) and different techniques to solve the problem	PSO10,PSO11& PSO2
Unit 3	Explain various transportation models 4. Northwest corner method 5. Least cost method 6. Vogels approximation method	PSO10,PSO11& PSO12
Unit 4	Understanding assignment models - Mathematical formulation of the problem - assignment algorithm impossible algorithms - travelling salesman problem	PSO10,PSO11& PSO12
Unit 5	Explain the concept of network scheduling - Concept of network, basic components, PERT and CPM, Rules of network construction, maximal flow problem, project scheduling critical path calculations, advantages of network (PERT/CPM)	PSO10,PSO11& PSO12

SNO	PO 1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO 10	PSO 11	PSO 12	P S O 1	PSO 2
Unit 1										3		3		
Unit 2										3	2	3		
Unit 3										3	2	3		
Unit 4										2	2	3		
Unit 5										3	3	3		

Level 3- Highly Addressed, Level 2-Moderately Addressed, Level 1-Low Addressed.

Method is to relate the level of PO with the number of hours devoted to the COs which address the given PO. If >40% of classroom sessions addressing a particular PO, it is considered that PO is addressed at Level 3
If 25 to 40% of classroom sessions addressing a particular PO, it is considered that PO is addressed at Level 2
If 5 to 25% of classroom sessions addressing a particular PO, it is considered that PO is addressed at Level 1
If < 5% of classroom sessions addressing a particular PO, it is considered that PO is considered not-addressed.

Lesson Plan

Course: Operation Research

Required Text Books:

B1. Operation Research, Kanti Swarup, Gupta P.K Man Mohan, Sultan Chand & Sons

Required Reference Books:

B2. Operation Research: An Introduction, Tahah. A, McMillan 1982.

B3. Operations Research, Prof. K. Venogopal, Calicut University Central Co-Operative Stores.

Web references

W1.<https://www.tutorialsduniya.com>

W2.[https:// www.imse.iastate.edu](https://www.imse.iastate.edu)

W3.<https://www.engineeringenotes.com>

Required Reference Teaching Method:

TM1- Lectures, TM2- Illustration by example, TM3-Problem Solving, TM4- Assignments TM5- Quiz

Required Reference Teaching Aid: BM- Board &Marker

P.P.T- Power Point presentation

Module 1 [12T]					
Lecture No	Topics to be covered	Time in Minutes	Ref	Teaching Aid	Teaching Method
1.	Introduction and definition of OR	50	B1	BM	TM1
2.	Scope of OR	50	B2	BM	TM1, TM2
3.	Various phases of OR	50	B2	BM	TM1, TM2
4.	Features of OR	50	B2	BM	TM1, TM2
5.	Role of OR in decision making	50	B2, B3	BM	TM1, TM2
6.	Operation Research Models	50	B2, B3	BM, P.P.T	TM1

7.	Operation Research Techniques	50	B2,B3	BM, P.P.T	TM1,TM2
8.	Application of OR	50	B2,B3	BM, P.P.T	TM1,TM2
9.	Advantages of OR	50	B2,B3	BM, P.P.T	TM1,TM2
10.	Limitation of OR	50	B2,B3	BM, P.P.T	TM1,TM2
11.	Question Discussion-1	50	B1,B2	BM	TM5
12.	Question discussion-2	50			

Module 2[14T]

1	Introduction of LPP and Mathematical formulation of a problem	50	B1	BM	TM1,TM2,TM4
2	Canonical form of LPP	50	B1	BM, P.P.T	TM1,TM2,TM3
3	Standard form of LPP	50	B1	BM, P.P.T	TM1,TM2
4	Simplex method – introduction and steps	50	B1	BM, P.P.T	TM1,TM2,TM4
5	Simplex method – problem solving	50	B1,B2	BM, P.P.T	TM1,TM2,TM4
6	Artificial variables techniques – introduction and steps	50	B1,B2	BM, P.P.T	TM1,TM2,TM3,TM4
7	Big-M method problem solving	50	B1,B2	BM, P.P.T	TM1,TM2,TM3,TM4
8	Two phase method problem solving	50	B1,B2	BM, P.P.T	TM1,TM2
9	Two phase method problem solving	50	B1,B3	BM, P.P.T	TM1,TM2,TM4
10	Problem of degeneracy - introduction	50	B1,B3	BM, P.P.T	TM1,TM2,TM4
11	Problem of degeneracy - problem solving	50	B3	BM, P.P.T	TM1,TM2,TM4
12	Concept of duality	50	B3	BM, P.P.T	TM1,TM2,TM4
13	Dual simplex method	50	B1,B3	BM, P.P.T	TM1,TM2,TM4
14	Question Discussion	50	B1,B3	BM	TM1,TM2,TM4

Module - 3: [12T]					
1	Introduction and mathematical formulation of transportation problem	50	B1	BM	TM1, TM2
2	Northwest corner rule	50	B1	BM	TM1
3	Northwest corner problem solving	50	B1	BM, P.P.T	TM1, TM2, TM4
4	Least cost method	50	B1, B2	BM	TM1
5	Least cost method problem solving	50	B1	BM	TM1, TM2, TM4
6.	Vogels approximation method	50	B1	BM, P.P.T	TM1
7	Vogels approximation problem solving	50	B1	BM, P.P.T	TM1, TM2, TM4
8	Loops in transportation table	50	B1	BM	TM1, TM2
9	Degeneracy in transportation table	50	B1, B2, B3	BM	TM1, TM2, TM4
10	Transshipment problem	50	B1	BM	TM1, TM2, TM4
11	Question Discussion - 1	50	B1	BM	TM1, TM2
12	Internal test-1	50	B1	BM	TM1, TM2
Module - 4: [12T]					
1.	Definition of assignment problem	50	B3	BM	TM1, TM2
2.	Mathematical formulation of assignment problem	50	B1	BM	TM1, TM2
3	Difference between transportation and assignment problem	50	B1	BM	TM1, TM2
4.	Assignment algorithm	50	B3	BM, P.P.T	TM1, TM2
5	Assignment problem solving (CONTINUE)	50	B3	BM, P.P.T	TM1, TM2, TM4
6	Assignment problem solving	50	B1	BM, P.P.T	TM1, TM2, TM4
7.	Maximization in assignment problem	50	B1	BM, P.P.T	TM1, TM2
8	Impossible algorithms	50	B1	BM, P.P.T	TM1, TM2

9	Travelling salesman problem(CONTINUE)	50	B1	BM	TM1,TM2
10.	Travelling salesman problem	50	B1,B3	BM	TM1,TM2
11	Question Discussion - 1				
12	Internal test -2				
Module 5[14T]					
1	Network scheduling introduction	50	B3	BM	TM1,TM2
2	Concept of network and basic components of network	50	B1	BM	TM1,TM2
3	Program evaluation review techniques (PERT)	50	B1	BM	TM1,TM2
4	Critical Path method (CPM)	50	B3	BM,P.P.T	TM1,TM2
5	Rules of network construction	50	B3	BM,P.P.T	TM1,TM2,TM4
6	Maximal flow problem	50	B1	BM,P.P.T	TM1,TM2,TM4
7	Project scheduling critical path calculation	50	B1	BM,P.P.T	TM1,TM2
8	Advantages of network (PERT / CPM)	50	B1	BM,P.P.T	TM1,TM2
9	Sequencing models introduction	50	B1	BM	TM1,TM2
10	Processing n jobs through 2 machines	50	B1,B3	BM	TM1,TM2
11	Processing n jobs through 3 machines	50	B1,B3	BM	TM1,TM2
12	Processing 2 jobs through m machines	50	B1,B3	BM	TM1,TM2
13	Question Discussion - 1	50	B1,B3	BM	TM1,TM2
14	Question Discussion - 2	50	B1,B3	BM	TM1,TM2

Assignment Set 1

OUTCOME BASED EDUCATION (OBE)

Question No.	Knowledge Domain	CO's
1.	Understand	CO2
2	Understand	CO2
3	Apply	CO4
4	Understand	CO1
5	Apply	CO4
6	Apply	CO4
7	Understand	CO1
8	Apply	CO1

- Briefly describe the role of OR in decision making.
- Briefly describe advantages of OR.
- An animal feed company must produce at least 200 kgs of mixture consisting of ingredients x_1, x_2 daily. x_1 costs rs 3 per kg and x_2 costs rs 8 per kg. no more than 80 kg of x_1 can be used and atleast 60 kgs of x_2 must be used. Formulate a mathematical model of problem.
- Explain about standard and canonical forms of lpp
- Convert lpp into standard format

$$\text{Minimize } z = 2x_1 + x_2 + 4x_3$$

$$\text{Subject to constraints } -2x_1 + 4x_2 + \leq 4$$

$$x_1 + 2x_2 + x_3 \geq -5$$

$$2x_1 + 3x_3 \leq 2$$

$$x_1, x_2, x_3 \geq 0$$

- Using simplex method solve

$$\text{Maximize } z = 2x_1 + x_2 + 4x_3$$

$$\text{Subject to constraints } x_1 + x_2 + \leq 2$$

$$5x_1 + 2x_2 \leq 10$$

$$3x_1 + 3x_2 \leq 12$$

$$X_1, x_2 \geq 0$$

7. what are the features of artificial variable techniques.

8. using big m method solve

$$\text{Minimize } z = 5x_1 + 6x_2$$

Subject to constraints $2x_1 + 5x_2 \geq 1500$

$$3x_1 + x_2 \geq 1200$$

$$x_1, x_2 = 0$$

Assignment Set 2

OUTCOME BASED EDUCATION (OBE)		
Question No.	Knowledge Domain	CO's
1.	Understand	CO3
2	Understand	CO3
3	Understand	CO3
4	Understand	CO3
5	Understand	CO5
6	Understand	CO5
7	Understand	CO5
8	Understand	CO6

1. Derive the formula for economic order quantity for the manufacturing inventory model without shortages
2. What is a queuing problem? in which area of management can queuing theory be successfully applied?
3. Explain about replacement algorithm
4. What is replacement problem?.
5. Explain about unbalanced transportation problem
6. Write down the role of pivot element in simplex table
7. State the general linear programming problem in standard form
8. What is meant by graphing in network analysis

Programme outcomes

Pso1: focuses on preparing student for roles pertaining to computer applications and IT industry

Pso2: start from the basics and in every semester learns each and everything about computers.

Pso3: develop programming skills, networking skills, learn applications, packages, programming languages and modern techniques of IT

Pso4: get skill and info not only about computer and information technology but also in common, organization and management

Pso5: Learn programming language such as Java, c, HTML, SQL, etc...

Pso6: Information about various computer applications and latest development in IT and communication system is also provided

Pso7: Gives overview of the topics in IT like networking, computer graphics, web development, trouble shooting, and hardware and software skills.

Pso8: Bachelor in computer applications (BCA) gives a number of opportunities to individuals to go ahead and shine in their lives.

Pso9: A few of them being like software programmer, system and network administrator, web designer faculty for computer science and computer applications

Pso10: They will have the ability to understand and analyze a given real-world problem and propose feasible computing solutions

Pso11: They will be able to transform complex business scenarios and contemporary issues into problems, investigate, understand and propose integrated solutions using emerging technologies.

Pso12: They will possess leadership and managerial skills with best professional ethical practices and social concern and will be able to communicate technical information effectively, both orally and in writing.



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W.M.O ARTS & SCIENCE COLLEGE, MUTTIL
DEPARTMENT OF COMPUTER SCIENCE
ACADEMIC YEAR: 2021-22|First SEMESTER|Course wise semester plan

Course Title: BCA1C01 – Mathematical Foundation for Computer Applications			
Scheme (L:T:P) : 4:0:0		Total Contact Hours: 64	Course Code: BCA1C01
Type of Course: Lectures, Self Study & Student Activity.		Credit : 03	Core/ Elective: Complementary
CIE- 15 Marks			SEE- 60 Marks

Name of Faculty : Suma N

Date of Starting the semester : 13/09/2021

Expected date of Semester End : 31/12/2021

Objectives

To learn the basic principles of linear algebra and vectors.

- To learn the basic principles of differential and integral Calculus.
- To learn mathematical modelling using ordinary and partial equations.

UNIT I (12T)

Linear Algebra and Vector Calculus: Matrices: Matrix definition, order of a matrix, types of matrices, addition of matrices, multiplication of matrices, various kinds of matrices, transpose of a matrix.

Objectives:

- Summarize the use of Matrices [are a mathematical construct, that are useful for storing & manipulating various kinds of data and solving various problems]
- Various operations on matrices. This is beneficial in computer graphics.

Prerequisites :

Basic mathematical knowledge

Basic intuition for geometry, basic algebra (at least simultaneous equations) and addition, subtraction, multiplication, division...

Evaluation Methods:

Unit Test on 18.10.21

Assignment on 30.09.21

Problem solving session & seminar on 18.10.21

UNIT II (12T)

Linear system of equations and solutions using gauss elimination , Gauss Jordan, and Gauss Siedel methods. Linear independence and rank, determinants, inverse, Eigen values. Vectors: Vectors in 2- and 3-space, dot and cross products.

Objectives:

- Learn the basic principles of linear algebra and vectors.
- Familiar with Determinant and Matrices.
- Solve a system of linear equations. This will help to formulate various real world problems.
- Represent situations that involve variable quantities with expressions, equations and inequalities
- Solve the matrix equation using elementary matrix operations. To use systems of linear equations and matrix equations to determine linear dependency or independency. To find the eigen values and corresponding eigenvectors for a linear transformation

Prerequisites

Basic knowledge in the concepts and applications of matrices

Familiarity with linear algebra.

Evaluation Methods:

Unit Test on 3.11.21

Assignment on 01.11.21

Seminar on 01.11.21

UNIT III (14T)

Differentiation: Limits (definition only). Derivative at a point, Derivative of a Function, Differentiation from first principle, Differentiation of important functions, Product rule, Quotient rule, Differentiation of a function of a function (problem based)

Objectives:

- Formulate Limit, Continuity and Differentiability.
- To learn the basic principles of differential and integral Calculus.
- Determine the derivative of a function using the limit definition. Interpret the derivative as the slope of a tangent line to a graph, the slope of a graph at a point, and the rate of change of a dependent variable with respect to an independent variable
- Solve related rates problems
- Use formulas to take derivatives of polynomial, radical, exponential, and logarithmic functions. · Relate the first derivative to velocity and the second derivative to acceleration.

Prerequisites

Basic Understanding of Functions

Basic Understand of Limits: Knowing how to use limits when dealing with functions

Evaluation Methods:

Unit Test on 29.11.21

Assignment on 18.11.21

Problem solving session on 23.11.21

UNIT IV (12T) Integration: Integral as Anti-derivative, Indefinite integral & constant of integration, Fundamental theorems, Elementary Standard results.

Objectives:

- Use of the Fundamental Theorem to evaluate definite integrals.
- Anti derivatives- following directly from derivatives of basic functions
- Determine anti derivatives and indefinite integrals and integrate by substitution.
- Finding specific anti derivatives using initial conditions,

Prerequisites

- the concept of antiderivatives,
- the rule of differentiation.

Evaluation Methods:

Unit Test on 10.12.21

Assignment on 2.12.21

Problem solving session& Seminar on 7.12.21

UNIT V (14T) Methods of Integration, Integration through Partial Functions , Integration by parts. Definite Integral: Evaluation by Substitution, Properties of definite integrals (Problem Based)

Objectives:

- State the definition of the definite integral.
- Explain the terms integrand, limits of integration, and variable of integration.
- Describe the relationship between the definite integral and net area.

Prerequisites

- Understand what is meant by definite and indefinite integrals
- be able to use a table of integrals
- be able to differentiate and integrate a range of common functions

Evaluation Methods:

Unit Test on 30.12.21

Assignment on 28.12.21

Problem solving session on 28.12.21

EXPECTED OUTCOMES

- **Recall** and **Summarize** the basic concept of matrices, Algebra of matrices, Computer science uses matrices as data structures to track user information, perform search queries, and manage databases. In the world of information security, many systems are designed to work with matrices
- Explain linear system of equations. Thus, learn to formulate and solve problems.
- Limit of a function and derivative of a function. Understand what a limit is and be able to find limits, Understand and solve rate of change problems.

- Understand how the derivative and the integral are related.

Text Books 1. Advanced Engineering Mathematics, Erwin Kreyszig, Wiley

Reference Books: 1. Higher Engineering Mathematics, John Bird, Elsevier Direct

2. Skills in Mathematics: Algebra, S.K.Goyal

3. Higher Engineering Mathematics, B S Grewal, Khanna Publishers

4. Higher Engineering Mathematics, Ramana, Tata McGraw Hill

5. Engineering Mathematics, P Kandasamy, S. Chand Group



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