

14.	12/05/2025 to 17/05/2025	* Statistical Decision Theory * Practice * Assignment
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15.	19/05/2025 to 24/05/2025	* Test * Practical Problem
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16.	26/05/2025 to 31/05/2025	* Revision
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Govt College Hatanhail
Lesson Plan for Even Semester (Session-2024-25)

Name = Sonu Rani

Class = B. Com 2nd year

Subject = Corporate Accounting

Semester = 4th

Week	Date	Particulars
1.	07/01/2025 to 11/01/2025	* Internal Reconstruction * Practice
2.	13/01/2025 to 18/01/2025	* Internal Reconstruction * Practice
3.	20/01/2025 to 25/01/2025	* External Reconstruction in the nature of merger & Purchase * Practice
4.	27/01/2025 to 01/02/2025	* External Reconstruction in the nature of merger & Purchase * Revision
5.	03/02/2025 to 08/02/2025	* External Reconstruction in the nature of merger & Purchase * Revision * Test
6.	10/02/2025 to 15/02/2025	* Liquidation of a company * Practice
7.	17/02/2025 to 22/02/2025	* Liquidation of a company * Revision * Test
8.	24/02/2025 to 01/03/2025	* Financial Reporting for financial institutions * Revision * Test
9.	03/03/2025 to 08/03/2025	* Financial Reporting for financial institutions * Practice
10.	17/03/2025 to 22/03/2025	* Final Accounts of Banking companies * Practice
11.	24/03/2025 to 29/03/2025	* Final Accounts of Banking companies * Practice * Test
12.	31/03/2025 to 05/04/2025	* Final Accounts of Banking companies * Practice

13.	07/04/2025 to 12/04/2025	* Accounts of Holding Companies * Group discussion
14.	14/04/2025 to 19/04/2025	* Holding companies's Accounts * Practice
15.	21/04/2025 to 26/04/2025	* Practice * Test
16.	28/04/2025 to 05/05/2025	* Assignment * Practice

Govt College Hatanpail
Lesson Plan for the Even Semester (Session-2024-25)

Name = Sonu Rani
Subject = Marketing Mgt.

Class = B.Com 2nd year
Semester = 4th

Sl. No.	Date	Particulars
1.	07/01/2025 to 11/01/2025	* Introduction :- Nature scope, importance, factors of marketing concepts - Traditional & Modern
2.	13/01/2025 to 18/01/2025	* Introduction :- Nature scope, importance of marketing concepts - Traditional & Modern
3.	20/01/2025 to 25/01/2025	* Consumer Behavior :- Nature scope, importance, factors affecting buyer behavior
4.	27/01/2025 to 01/02/2025	* Consumer Behavior :- Nature scope, importance, factors affecting buyer behavior * Market segmentation :- Concept, importance & Basis of market segmentation
5.	03/02/2025 to 08/02/2025	* Product planning & Development * Importance & scope of Product planning in marketing
6.	10/02/2025 to 15/02/2025	* Stages of New Product development * Revision * Test
7.	17/02/2025 to 22/02/2025	* Product life cycle * Stages of Product life cycle
8.	24/02/2025 to 01/03/2025	* Product life cycle * Assignment
9.	03/03/2025 to 08/03/2025	* Product life cycle * Revision * Test
10.	17/03/2025 to 22/03/2025	* Branding & Trademark * Revision
11.	24/03/2025 to 29/03/2025	* Branding & Trademark * Branding & Trademark
12.	31/03/2025 to 05/04/2025	* Pricing Policy * Pricing strategies
13.	07/04/2025 to 12/04/2025	* Pricing :- Meaning, importance, factors affecting * Types & Price Policy

14.	14/04/2025 to 19/04/2025	* Advertising :- Concept, Importance & Objectives advertising, * Evaluating advertising effectiveness
15.	21/04/2025 to 26/04/2025	* Sales Promotion :- Importance, Methods & Publicity * Assignments
16.	28/04/2025 05/05/2025	* Test * Revision

Govt. College Matankail
Lesson Plan for the Even Semester (Session 24-25)

Name = Sonu Rani
Subject = Banking & Banking Law

Class = B.Com 2nd year
Semester = 4th

Week	Date	Particulars
1.	07/01/2025 to 11/01/2025	* Definition of Bank * Commercial Banks Importance
2.	13/01/2025 to 18/01/2025	* Non-performing Assets * Revision
3.	20/01/2025 to 25/01/2025	* Structure of commercial Banking system in India * Credit Creation
4.	27/01/2025 to 01/02/2025	* Regional Rural Banks * Assignment
5.	03/02/2025 to 08/02/2025	* Cooperative Banking in India * Group discussion
6.	10/02/2025 to 15/02/2025	* Reserve Bank of India * Test
7.	17/02/2025 to 22/02/2025	* Monetary Policy * Determination & Regulation of Interest rate in India
8.	24/02/2025 to 01/03/2025	* Determination & Regulation of Interest rate in India * Group discussion
9.	03/03/2025 to 08/03/2025	* Relationship between Bankers and customers
10.	17/03/2025 to 22/03/2025	* General Relationship between banks & customer * obligation of Banker
11.	24/03/2025 to 29/03/2025	* Garnishee order * Banker's Rights
12.	31/03/2025 to 05/04/2025	* Special types of Bankers & customers * Various types of Bankers

13.	07/04/2025 to 12/04/2025	* Negotiable Instruments * Revision
14.	14/04/2025 to 19/04/2025	* Negotiable Instruments * Revision
15.	21/04/2025 to 26/04/2025	* Negotiable Instruments * Group discussion
16.	28/04/2025 to 05/05/2025	* Test * Revision

Lesson Plan

Name = Sonu kaur

Subject = Taxation Law-11

Class = B.com 3rd year
Semester = 6th

Sl. No.	Date	Particulars
1.	07/01/2025 to 18/01/2025	* Computation of Total Income of Individuals * Revision
2.	13/01/2025 to 18/01/2025	* Computation of Tax liability of individuals * Revision * Test * Rebate & Relief of Tax
3.	20/01/2025 to 25/01/2025	* Assessment of Hindu undivided families * Revision
4.	27/01/2025 to 01/02/2025	* Assessment of firms * Group discussion
5.	03/02/2025 to 08/02/2025	* Assessment of association of persons or body of individuals * Revision * Test
6.	10/02/2025 to 15/02/2025	* Income Tax authorities * Preparation & filling of return of Income * Revision
7.	17/02/2025 to 23/02/2025	* Assessment Procedure * Assignment
8.	24/02/2025 to 01/03/2025	* Deduction & collection of Tax at source * Group discussion
9.	03/03/2025 to 08/03/2025	* Advance Tax * Revision * Test
10.	17/03/2025 to 23/03/2025	* Recovery & Refund of Tax * Test
11.	24/03/2025 to 29/03/2025	* Appeals & Revision * Group discussion
12.	31/03/2025 to 05/04/2025	* Appeals & Revision's Test * Assignments
13.	07/04/2025 to 12/04/2025	* Penalties * Revision
14.	14/04/2025 to 19/04/2025	* Offences & prosecutions * Revision

15.	21/04/2025 to 26/04/2025	* Test * Revision
16.	28/04/2025 to 05/05/2025	* Test * Assignment

GOVT. COLLEGE , MATANHAIL

Lesson plan for the session 2024-25

Name of Faculty:- Dr. Sandeep kumar

Class & section:- B.Sc. III (Medical)

Subject:- Zoology

Semester:- Sixth

Week	Date	Topics
1	07/01/2025 To 11/01/2025	Sugarcane: (a) Sugarcane leaf-hopper (<i>Pyrilla perpusilla</i>) (b) Sugarcane Whitefly (<i>Aleurolobus barodensis</i>) (c) Sugarcane top borer (<i>Sciropophaga nivella</i>) (d) Sugarcane root borer (<i>Emmalocera depresella</i>) (e) Gurdaspur borer (<i>Bissetia steniellus</i>) With their systematic position, habits and nature of damage caused. Life cycle and control of <i>Pyrilla perpusilla</i> only.
2	13/01/2025 To 18/01/2025	Cotton: (a) Pink bollworm (<i>Pestiphora gossypifolia</i>) (b) Red cotton bug (<i>Dysdercus Cingulatus</i>) (c) Cotton grey weevil (<i>Mylocherus undecimpustulatus</i>) (d) Cotton Jassid (<i>Amrasca devastans</i>)
3	20/01/2025 To 25/01/2025	Wheat: Wheat stem borer (<i>Sesamia inferens</i>) with its systematics position, habits, nature of damage caused. Life cycle and control. Paddy: (a) Gundhi bug (<i>Leptocoris acuta</i>) (b) Rice grasshopper (<i>Hieroglyphus banian</i>) (c) Rice stem borer (<i>Scirpophaga incertullus</i>) (d) Rice Hispa (<i>Diceladisa armigera</i>)
4	27/01/2025 To 01/02/2025	Generalized structure of mammalian ovum & sperm. Spermatogenesis and Oogenesis
5	03/02/2025 To 08/02/2025	Fertilization, parthenogenesis, different types of eggs and patterns of cleavage in invertebrates and vertebrates
6	10/02/2025 To 15/02/2025	Process of blastulation in invertebrates and vertebrates Fate-map construction in frog and chick.
7	17/02/2025 To 22/02/2025	Gastrulation in invertebrates and vertebrates Unit test - I
8	24/02/2025 To 01/03/2025	Gastrulation & formation of three germinal layers in frog and chick. Elementary knowledge of primary organizers.
9	03/03/2025 To 08/03/2025	Vegetables (a) <i>Raphidopalpa faveicollis</i> – The Red pumpkin beetle. (b) <i>Dacus cucurbitas</i> – The pumpkin fruit fly. (c) <i>Tetranychus tecarius</i> – The vegetable mite. (d) <i>Epilachna</i> – The Hadda beetle.
10	17/03/2025	Stored grains: (a) Pulse beetle (<i>Callosobruchus maculatus</i>) (b) Rice weevil (<i>Sitophilus oryzae</i>) (c) Wheat weevil (<i>Trogoderma</i>

GOVT. COLLEGE , MATANHAIL

Lesson plan for the session 2024-25

Name of Faculty:- Dr. Sandeep kumar

Class & section:- B.Sc. I (Life Sciences)

Subject:- Zoology (Animal Diversity-II)

Semester:- Second

Week	Date	Topics
1	01/02/2025 To 08/02/2025	Chordates : Salient features of chordates, principles of classification
2	10/02/2025 To 15/02/2025	Protochordates : Type study of Herdmania
3	17/02/2025 To 22/02/2025	Pisces : General characters and classification upto classes.
4	24/02/2025 To 01/03/2025	Types of scales and fins in fishes. Unit Test-I
5	03/03/2025 To 08/03/2025	Type study : Labeo
6	17/03/2025 To 22/03/2025	Type study : Labeo
7	24/03/2025 To 29/03/2025	Amphibia : General characters and classification upto classes
8	31/03/2025 To 05/04/2025	Type study : Frog,
9	07/04/2025 To 12/04/2025	Type study : Frog,
10	14/04/2025 To 19/04/2025	Parental care in Amphibians Reptilia : General characters and classification upto classes

11	21/04/2025 To 26/04/2025	Aves : General characters and classification upto classes
12	28/04/2025 To 03/05/2025	Flight adaptations in birds, Archeopteryx as missing link <u>Unit Test-II</u>
13	05/05/2025 To 10/05/2025	Mammals : General characters and classification upto classes
14	12/05/2025 To 17/05/2025	Type study : Rat
15	19/05/2025 To 24/05/2025	Type study : Rat
16	26/05/2025 To 31/05/2025	Unit test full syllabus and revision



Signature of Faculty

GOVT. COLLEGE , MATANHAIL

Lesson plan for the session 2024-25

Name of Faculty:- Dr. Sandeep kumar

Class & section:- B.Sc. II (Medical)

Subject:- Zoology (Mammalian Physiology-II)

Semester:- Fourth

Week	Date	Topics
1	07/01/2025 To 11/01/2025	Circulation: Origin, conduction and regulation of heart beat, cardiac cycle, electrocardiogram, cardiac output, fluid pressure and flow pressure in closed and open circulatory system
2	13/01/2025 To 18/01/2025	Composition and functions of blood & lymph; Mechanism of coagulation of blood, coagulation factors; anticoagulants, haemopoiesis
3	20/01/2025 To 25/01/2025	Unit Test Respiration: Exchange of respiratory gases, transport of gases
4	27/01/2025 To 01/02/2025	lung air volumes, oxygen dissociation curve of hemoglobin, Bohr's effect, Haburger's phenomenon (Chloride shift)
5	03/02/2025 To 08/02/2025	control / regulation of respiration. Excretion: Patterns of excretory products viz. Amonotelic, ureotlic uricotelic
6	10/02/2025 To 15/02/2025	Ornithine cycle (Kreb's- Henseleit cycle) for urea formation in liver.
7	17/02/2025 To 22/02/2025	Excretion: Urine formation, counter-current mechanism of urine concentration, osmoregulation, micturition.
8	24/02/2025 To 01/03/2025	Neural Integration: Nature, origin and propagation of nerve impulse along with medullated & non-medullated nerve fibre
9	03/03/2025 To 08/03/2025	conduction of nerve impulse across synapse. Unit Test and Revision
10	17/03/2025 To 22/03/2025	Chemical integration of Endocrinology: Structure and mechanism of hormone action; physiology of hypothalamus

Lesson Plan:- Department: Commerce

Session:- Jan, 2025 to May, 2025.

B. Com: IIIrd year 6th Semester:-

Subject: 'Cost Accounting'

Date:-

07-01-2025
to 11-01-2025

Unit First ISr

→ Process Costing:- meaning, preparation of process account
Normal wastage Treatment, Abnormal wastage opening & closing Stock.

13-01-2025
to
18-01-2025

→ Joint product and By-product - main methods of apportionment of Joint cost, Inter process profits, Numerical Question.

Unit IInd

Contract Costing:-

20-01-2025 to 25-01-2025] → meaning, main features, preparation of Contract Account, contract near completion, Cost + Contract.

27-01-2025 to 01-02-2025] → Job and Batch Costing
Numerical Questions solve.

03-02-2025 to 08-02-2025] → Assignment, Test, 1st unit and 2nd unit
Revision 1st unit and 2nd.

Unit - IIIrd 3rd

10-02-2025 to 15-02-2025] → Budgetary Control: meaning and Budgetary mgmt, ~~test~~ Toll, Limitation of Budgetary, classification of Budgetary Control,

17-02-2025 to 22-02-2025] → Fixed Budget, Flexible Budget, zero based budgeting and responsibility accounting.
Numerical question solve.

24-02-2025 to 03-03-2025

Standard Costing:- meaning, limitation, standard costs and Budget costs. Determination of standard cost

08-03-2025 to 10-03-2025] →

Cost variances, Direct material and ~~Direct~~ Direct Labour only.

12-03-2025 to 17-03-2025] →

Numerical question solve and Test, Assignments

Unit 10th 4th

~~From~~ marginal costing and profit planning :-

- 19.03.2025 to 24.03.2025] - Marginal costing Absorption costing, Marginal Cost Volume Profit analysis, BEP Analysis, Key factors involved, Concept of Decision making and steps involved
- 26.03.2025 to 31.03.2025] - Determination of Sales mix, make or buy Decision
- 02.04.2025 to 07.04.2025 Numerical questions solve and test, with Assignment.
- 09.04.2025 to 14.04.2025. Revision and test
- 16.04.2025 to 21.04.25 Revision and Test.
- 23.04.2025 to - Revision and test.



Padma
Do vijayalingam

Lession Plan: - 'Department of Commerce'

Session:- Jan 2025 to May 2025

Class: Bcom-IIIrd and IVth Semester

Subject:- Auditing:- Unit Ist

07.01.2025 to 11.01.2025:- Meaning and objectives importance and types of Auditing.

13.01.2025 to 18.01.2025 } Audit process:- Internal Control

20.01.2025 to 25.01.2025 } Internal check & Internal Audit
Audit Programme.

UNIT - IInd

27.01.2025 to 01.02.2025
and

03.02.2025 to 08.02.2025

Audit procedures:- Routing checking, vouching, verification & valuation of Assets and liabilities.

10.02.2025 to 15.02.2025 } Test, Ist unit, IInd unit. and assignment.

Unit - IIIrd

17.02.2025 to 22.02.2025 } →

24.02.2025 to 03.03.2025 } →

05.03.2025 to 10.03.2025 } →

Audit of Public company. Qualification Appointment of Company Auditors, Powers Duties and liabilities. ~~Details~~ Audit of Depreciation and reserves. Divisible profits and dividends.

Unit - IVth

12.03.2025 to 17.03.2025

+

19.03.2025 to 24.03.2025

+

26.03.2025 to 31.03.2025

Audit Report and Investigation -

02.04.2025 to 07.04.2025 - Test and Revision

09.04.2025 to 14.04.2025

16.04.2025 to 21.04.2025

23.04.2025 to -

— do —

— do —

— do —

For
Dr. Rajat Singh

Lesson Plan: Jan-2025 to May-2025

Department: Commerce

Subject: - "International Marketing"

Class: B.Com. IIIrd & IVth Semesters

UNIT-I

07-01-2025 to 11-01-2025

13-01-2025 to 18-01-2025

20-01-2025 to 25-01-2025

International Marketing + Nature and
Concept: Domestic and International
Marketing, etc.

UNIT-II

27-01-2025 to 01-02-2025

03-02-2025 to 08-02-2025

10-02-2025 to 15-02-2025

Product Planning and Pricing
International product life cycle
Research and Informations, Product designing
and Packaging, Pricing process and method

UNIT-III

17-02-2025 to 22-02-2025

24-02-2025 to 03-03-2025

05-03-2025 to 10-03-2025

International Distribution:- Channel structure
and selection Decision, managing channel conflicts,
selection and appointment of foreign sales Agents

UNIT-IV

12-03-2025 to 17-03-2025

19-03-2025 to 24-03-2025

26-03-2025 to 31-03-2025

Product Promotion:- Method of International
Product Promotion:-

02-04-2025 to 07-04-2025 → Test + Revised

09-04-2025 to 14-04-2025 → do-

16-04-2025 to 21-04-2025 → do-

23-04-2025 to — do-

✓
Prepared
by Vijay Singh

Lesson plan:- Jan. 2025 to May-2025

Department:- Commerce.

Subject:- ~~Intermediary~~ BRF

Class:- B.Com.IInd IV Semesters.

UNIT-I

Date:- 07.01.2025 to 11.01.2025
13.01.2025 to 18.01.2025
20.01.2025 to 25.01.2025] →

Indian Partnership Act, 1932, --

UNIT-II

27.01.2025 to 01.02.2025
03.02.2025 to 08.02.2025
10.02.2025 to 15.02.2025]

Dissolution of Firm

UNIT-III

17.02.2025 to 22.02.2025
24.02.2025 to 03.03.2025
05.03.2025 to 10.03.2025]

Negotiable Instruments Act 1881

UNIT-IV

12.03.2025 to 17.03.2025
19.03.2025 to 24.03.2025
26.03.2025 to 31.03.2025]

Sales of Goods Act, 1930,

02.04.2025 to 07.04.2025

Test and Revised

09.04.2025 to 14.04.2025

—do—

16.04.2025 to 21.04.2025

—do—

23.04.2025 to —

—do—

Prepared

Dr. Vijay Singh

LESSON PLAN

Name of College : Government College Matanhail (Jhajjar)
 Academic Session : January – April (2024-25)
 Class : B.A. – 2nd Semester Section A & B
 Paper : Medieval History of India
 Teacher's Name : Dr. Rakesh Kumar, Assistant Professor of History

Month	Dates	Topic to be covered
February 2025	01 st - 10 th	- Reconstructing and Interpreting Medieval India: - Definition; Sources - SAQ and Revision
February 2025	11 th - 28 th	- Delhi Sultanate: Establishment and Consolidation under Early Turks:: - Aibak - Iltutmish - Balban - Expansion of Delhi Sultanate under Khaljis and Tughlaqs. Maps : Extent of Sultanate under Allauddin Khalji Maps : Urban Centres during Sultanate period.
	11 th - 28 th	- Disintegration of Delhi Sultanate. - India on the eve of Babar's invasion: His major achievements. Second Afghan Empire: Shershah Suri and His major achievements Maps : Political Condition on the eve of Babar's Invasion. SAQ and Unit Test 1
March 2025	1 st - 15 th	Consolidation and Expansion of Mughal Empire: Akbar, Jahangir, Shahjahan, Aurangzeb. Maps: India under Akbar (1605 A.D.) Maps: India under Aurangzeb (1707 A.D.)
	16 th - 31 st	- Administrative Institutional Developments: - Iqtadari, Mansabdari. - Economic Aspects during Medieval Period - Land Revenue System - Industries, Trade and Commerce.
April 2025	01 st - 15 th	- Socio-Religious Life during Medieval Period - Bhakti Movement - Sufi Movement - Din-e-Ilahi
	16 th - 30 th	- Art and Architecture. SAQ and Unit Test 2 and Revision Assignment 2

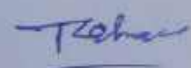
Rakesh Kumar

Asst Prof of History

LESSON PLAN

Name of College : **Government College Matanhail (Jhajjar)**
 Academic Session : **January – April (2024-25)**
 Class : **B.A. – 6th Semester**
 Paper : **Modern World**
 Teacher's Name : **Dr. Rakesh Kumar, Assistant Professor of History**

Month	Dates	Topic to be covered
January 2025	08 th - 31 st	• Economic Development – I • Mercantilism • Agricultural Revolution • SAQ and Revision • Technological Revolution Maps : Area of Agricultural Revolution
February 2025	1 st - 15 th	• Economic Development - II • Capitalism: Its Stages and development • Imperialism: Its theories and development • Political Development - I • French Revolution Maps : Europe on the eve of French Revolution
	16 th - 28 th	• Liberalism in Britain • Nationalism in Germany & Italy Maps : Unification of Italy Maps : Unification of Germany SAQ and Unit Test 1
March 2025	1 st - 15 th	• Political Development - II • Russian Revolution • Fascism in Italy Nazism in Germany
	16 th - 31 st	• Colonialism • Stages of Colonialism in India • China and the West • Japan and the West World in the Crisis
April 2025	01 st - 15 th	• First World War and peace settlements • Second World War Non-Alignment Movement • Origin • Development
	16 th - 30 th	• SAQ and Unit Test 2 and Revision • Assignment 2


 Ass. Prof of History

GOVT. COLLEGE , MATANHAIL

Lesson plan for the session 2024-25

Name of Faculty:- Dr. Devender Singh
Class & section:- B.Sc. II (Non- Medical)
Subject:- Physics (Optics-II)
Semester:- Fourth

Week	Date	Topics
1	07/01/2025 To 11/01/2025	Interference by Division of Amplitude :Colour of thin, films, wedge shaped film
2	13/01/2025 To 18/01/2025	Newton's rings. Interferometers: Michelson's interferometer and its application to (I) Standardisation of a meter (II) determination of wave length
3	20/01/2025 To 25/01/2025	Fresnel's Diffraction : Fresnel's half period zones, zone plate
4	27/01/2025 To 01/02/2025	diffraction at a straight edge, rectangular slit and circular apperture. Unit Test-1
5	03/02/2025 To 08/02/2025	Fraimhoffer diffraction : One slit diffraction, Two slit diffraction
6	10/02/2025 To 15/02/2025	N-slit diffraction, Plane transmission grating spectrum, Dispersive power of a grating
7	17/02/2025 To 22/02/2025	, Limit of resolution, Rayleigh's criterion, resolving power of telescope and a grating.
8	24/02/2025 To 01/03/2025	Revision & Unit Test-2
9	03/03/2025 To 08/03/2025	Polarization :Polarisation and Double Refraction
10	17/03/2025 To 22/03/2025	Polarisation by reflection, Polarisation by scattering, Malus law, Phenomenon of double refraction

11	24/03/2025 To 29/03/2025	Huytgen's wave theory of double refraction (Normal and oblique incidence)
12	31/03/2025 To 05/04/2025	Analysis of Palorised light : Nicol prism, Quarter wave plate and half wave plate
13	07/04/2025 To 12/04/2025	production and detection of (i) Plane polarized light (ii) Circularly polarized light and (iii) Elliptically polarized light
14	14/04/2025 To 19/04/2025	Optical activity, Fresnel's theory of rotation
15	21/04/2025 To 26/04/2025	Specific rotation, Polarimeters (half shade and Biquartz).
16	28/04/2025 To 05/05/2025	Unit test full syllabus and revision



Signature of Faculty

GOVT. COLLEGE , MATANHAIL

Lesson plan for the session 2024-25

Name of Faculty:- Dr. Devender Singh
Class & section:- B.Sc. I (Physical Science)
Subject:- Physics (Electricity & Magnetism)
Semester:- Second

Week	Date	Topics
1	01/02/2025 To 08/02/2025	Electric Field and Electric Potential: Scalars and Vectors, dot and cross product, Triple vector product, Scalar and Vector field
2	10/02/2025 To 15/02/2025	Differentiation of a vector, Gradient of a scalar and its physical significance, Integration of a vector (line, surface and volume integral and their physical significance)
3	17/02/2025 To 22/02/2025	Gauss's divergence theorem and Stocks theorem. Derivation of field E from potential as gradient, derivation of Laplace and Poisson equations. Electric flux
4	24/02/2025 To 01/03/2025	Gauss's Law and its application to spherical shell, uniformly charged infinite plane and uniformity charged straight wire, mechanical force of charged surface, Energy per unit, Unit Test -1
5	03/03/2025 To 08/03/2025	Gauss's Law and its application to spherical shell, uniformly charged infinite plane and uniformity charged straight wire, mechanical force of charged surface, Energy per unit, Properties of B: curl and divergence. Vector Potential. Magnetic Properties of Matter: Force on a dipole in an external field, Electric currents in Atoms
6	17/03/2025 To 22/03/2025	Electron spin and Magnetic moment, types of magnetic materials, Magnetization vector (M), Magnetic Intensity (H), Magnetic Susceptibility and permeability, Relation between B, H and M
7	24/03/2025 To 29/03/2025	Electronic theory of dia and Para-magnetism, Domain theory of ferromagnetism (Langvein's theory), Cycle of Magnetization- B-H curve and hysteresis loop: Energy dissipation, Hysteresis loss and importance of Hysteresis Curve.
8	31/03/2025 To 05/04/2025	Unit Test-2, Electromagnetic induction: Faraday's laws of induction and Lenz's Law, Self-inductance, Mutual inductance, Energy stored in a Magnetic field,
9	07/04/2025 To 12/04/2025	Maxwell equation and their derivations, Displacement Current. Vector and scalar potentials,
10	14/04/2025	Maxwell equation and their derivations, Displacement Current.

	To 19/04/2025	Vector and scalar potentials,
11	21/04/2025 To 26/04/2025	<i>boundary conditions at interface between two different media, Propagation of electromagnetic wave (Basic idea, no derivation). Poynting vector and Poynting theorem. Unit Test-2</i>
12	28/04/2025 To 03/05/2025	DC current Circuits: Electric current and current density, Electrical conductivity and Ohm's law (Review), Applications to dc circuits. Growth and decay of current in a circuit with (a) Capacitance and resistance (b) resistance and inductance (c) Capacitance and inductance (d) Capacitance resistance and inductance
13	05/05/2025 To 10/05/2025	Alternating Current Circuits: A resonance circuit, Phasor, Complex Reactance and Impedance, Analysis for RL, RC and LC Circuits
14	12/05/2025 To 17/05/2025	LCR Circuit: (1) Resonance, (2) Power Dissipation (3) Quality Factor and (4) Band Width, Parallel LCR Circuit.
15	19/05/2025 To 24/05/2025	Unit Test-3 & Revision
16	26/05/2025 To 31/05/2025	Unit test full syllabus and revision



Signature of Faculty

GOVT. COLLEGE, MATANHAIL

Lesson plan for the session 2024-25

Name of Faculty:- Dr. Devender Singh
Class & section:- B.Sc. III (Non-Medical)
Subject:- Physics (ATOMIC MOLECULAR AND LASER PHYSICS)
Semester:- Sixth

Week	Date	Topics
1	07/01/2025 To 11/01/2025	Vector atom model, quantum numbers associated with vector atom model, penetrating and non- penetrating orbits (qualitative description)
2	13/01/2025 To 18/01/2025	., spectral lines in different series of alkali spectra, spin orbit interaction and doublet term separation
3	20/01/2025 To 25/01/2025	LS or Russel-Saunders Coupling jj coupling (expressions for interaction energies for LS and jj coupling required Unit Test -1
4	27/01/2025 To 01/02/2025	Zeeman effect (normal and Anomalous) Zeeman pattern of D 1 and D2 lines of Na-atom
5	03/02/2025 To 08/02/2025	Paschen, Back effect of a single valence electron system. Weak field Stark effect of Hydrogen atom.
6	10/02/2025 To 15/02/2025	Discrete set of electronic energies of molecules. quantisation of Vibrational and rotational energies Raman effect (Quantitative description) Stoke's and anti Stoke's lines
7	17/02/2025 To 22/02/2025	Raman effect (Quantitative description) Stoke's and anti Stoke's lines, Unit Test-2
8	24/02/2025 To 01/03/2025	Main features of a laser : Directionality, high intensity, high degree of coherence, spatial and temporal coherence
9	03/03/2025 To 08/03/2025	Einstein's coefficients and possibility of amplification, momentum transfer, life time of a level, kinetics of optical absorption
10	17/03/2025 To 22/03/2025	Threshold condition for laser emission, Laser pumping,

11	24/03/2025 To 29/03/2025	He-Ne laser and RUBY laser (Principle, Construction and Working)
12	31/03/2025 To 05/04/2025	Applications of laser in the field of medicine and industry
13	07/04/2025 To 12/04/2025	Revision & Unit Test-2
14	14/04/2025 To 19/04/2025	Numerical Problem
15	21/04/2025 To 26/04/2025	Unit test full syllabus and revision
16	28/04/2025 To 05/05/2025	Unit test full syllabus and revision



Signature of Faculty

LESSON PLAN – January 2025

Name of Assistant Professor: Dr. Manjeet Singh
 Class: B.Sc. 4th Sem. (Non Medical)
 Subject/ Paper: Physics/ Statistical Mechanics (PHY 401)

Sr. No.	Week Days	Subject Matter / Syllabus
Unit - 1	01.01.2025 to 04.01.2025	Probability, some probability considerations, combinations possessing maximum probability.
	06.01.2025 to 11.01.2025	Combinations possessing minimum probability, distribution of molecules in two boxes. Case with weightage (general).
	13.01.2025 to 18.01.2025	Phase space, microstates and macrostates, statistical fluctuations constraints and accessible States Thermodynamical probability. (Unit Test – 1)
Unit - 2	20.01.2025 to 25.01.2025	Postulates of Statistical Physics. Division of Phase space into cells.
	27.01.2025 to 01.02.2025	Condition of equilibrium between two system in thermal contact.
	03.02.2025 to 08.02.2025	β -Parameter. Entropy and Probability.
	10.02.2025 to 15.02.2025	Boltzman's distribution law. Evaluation of A and β .
	17.02.2025 to 22.02.2025	Bose-Einstein statistics, Application of B.E. Statistics to Plancks's radiation law.
	24.02.2025 to 01.03.2025	B.E. gas. (Unit Test – 2)
Unit - 3	03.03.2025 to 08.03.2025	Fermi-Dirac statistics.
	09.03.2025 to 16.03.2025	Vacations (Holi)
	17.03.2025 to 22.03.2025	M.B. Law as limiting case of B.E. Degeneracy and B.E., Condensation.
	24.03.2025 to 29.03.2025	F.D. Gas.
	31.03.2025 to 05.04.2025	electron gas in metals.
	07.04.2025 to 12.04.2025	Zero point energy.
	14.04.2025 to 19.04.2025	Specific heat of metals and its solution.
	21.04.2025 to 26.04.2025	Revision of syllabus
	28.04.2025 to 30.04.2025	(Unit Test – 3)


 DR. MANJEET SINGH
 Assistant Prof. of Physics
 G.C. Matankhail (Jagjhar)

LESSON PLAN – January 2025

Name of Assistant Professor: Dr. Manjeet Singh

Class: B.Sc. 6th Sem. (Non Medical)

Subject/ Paper: Physics/ Nuclear Physics (PHY 601)

Sr. No.	Week Days	Subject Matter / Syllabus
Unit - 1	01.01.2025 to 04.01.2025	Nuclear mass and binding energy, systematics nuclear binding energy, nuclear stability, Nuclear size, spin, parity, statistics magnetic dipole moment, quadrupole moment (shape concept).
	06.01.2025 to 11.01.2025	Determination of mass by Bain-Bridge, Bain-Bride and Jordan mass spectrograph, Determination of charge by Mosley law
	13.01.2025 to 18.01.2025	Determination of size of nuclei by Rutherford Back Scattering. (Unit Test – 1)
Unit - 2	20.01.2025 to 25.01.2025	Interaction of heavy charged particles (Alpha particles), alpha disintegration and its theory Energy loss of heavy charged particle (idea of Bethe formula, no derivation),
	27.01.2025 to 01.02.2025	Energetics of alpha -decay, Range and straggling of alpha particles, Geiger-Nuttal law.
	03.02.2025 to 08.02.2025	Introduction of light charged particle (Beta-particle), Origin of continuous beta-spectrum (neutrino hypothesis) types of beta decay and energetics of beta decay,
	10.02.2025 to 15.02.2025	Energy loss of beta particles (ionization), Range of electrons, absorption of beta-particles.
	17.02.2025 to 22.02.2025	Interaction of Gamma Ray, Nature of gamma rays, Energetics of gamma rays, passage of Gamma radiations through matter (photoelectric, compton and pair production effect)
	24.02.2025 to 01.03.2025	electron positron annihilation. Absorption of Gamma rays (Mass attenuation coefficient) and its application. (Unit Test – 2)
Unit - 3	03.03.2025 to 08.03.2025	Nuclear reactions, Elastic scattering, Inelastic scattering, Nuclear disintegration, photoneuclear reaction, Radiative capture, Direct reaction,
	09.03.2025 to 16.03.2025	Vacations (Holi)
	17.03.2025 to 22.03.2025	heavy ion reactions and spallation Reactions, conservation laws, Q-value and reaction threshold.
	24.03.2025 to 29.03.2025	Nuclear Reactors General aspects of Reactor design. Nuclear fission and fusion reactors (Principles, construction, working and use)
	31.03.2025 to 05.04.2025	Linear accelerator, Tandem accelerator,
	07.04.2025 to 12.04.2025	Cyclotron and Betatron accelerators.
	14.04.2025 to 19.04.2025	Ionization chamber, proportional counter, G.M. counter detailed study,
	21.04.2025 to 26.04.2025	scintillation counter and semiconductor detector.
	28.04.2025 to 30.04.2025	(Unit Test – 3)

Manjeet Singh

DR. MANJEET SINGH

Assistant Prof. of Physics

G.C. Mathanail (Jhajjora)

LESSON PLAN

Name of College : **Government College Matanhail (Jhajjar)**
 Academic Session : **January – April (2024-25)**
 Class : **B.A. – 4th Semester**
 Paper : **History of Haryana**
 Teacher's Name : **Dr. Rakesh Kumar, Assistant Professor of History**

Month	Dates	Topic to be covered
January 2025	08 th -31 st	- Regional Study: A case of Haryana - General Survey of sources of the History of Haryana: A brief Survey - Stone Age in Haryana - SAQ and Revision Maps : Main centres of Harappan Civilization in Haryana
February 2025	1 st -15 th	- Harappan Civilization General features - Towards State Formation - Kurus. Historicity of the battle of Mahabharata - Rise of Republics : Yaudheyas and Agras - Rise of Powers during Early Medieval Period (a) Pushpabhutis (b) Tomaras Maps : Haryana at the time of Harshavardhana
	16 th -28 th	- Battles and Revolts during Medieval Period - Battles of Tarain and their impact - Battles of Panipat and their impact - Resistance of Jats, Revolt of Satnamis Maps : Urban centres (1200 to 1700 A.D.) during Medieval Period SAQ and Unit Test 1
March 2025	1 st -15 th	- Political Developments in 18th Century - Nawabi Kingdoms and Intrusion of Sikhs - Marathas, George Thomas and East India Company
	16 th -31 st	- Political and Social Reactions of British Rule - Revolt of 1857 - Arya Samaj - Spread of Modern Education . Maps: Major centres of 1857 Revolt in Haryana
April	01 st -15 th	- Freedom Movement in Haryana - Political Consciousness

2025		• Towards Freedom Mass Movements: Non-Co-operation Maps: Main centres of Freedom Struggle in Haryana
	16 th -30 th	• Quit India Movement • Unionist Party • Praja Mandal Movement: A brief Survey. . • SAQ and Unit Test 2 and Revision • Assignment 2

Rehan

Asst. Prof of HISTORY

Govt. College Matanhalil (Jhajjar)
Lesson Plan, Session - 2024-25

Subject - Zoology (SEC)

Semester - IInd

Class - B.Sc Life Science

Week	Topic
	Unit - I.
13/2/2025 to 8/2/2025	Study of important insect pests of crops and vegetables. i) <u>Sugarcane</u> : (With their systematic position, habits and nature of damage caused. a) Sugarcane leaf-hopper (<i>Pyrausta nubilalis</i>).
10/2/2025 to 15/2/2025	b) Sugarcane Whitefly (<i>Aleurotrachelus barodensis</i>) c) Sugarcane top borer (<i>Scirpophaga nivella</i>) Test and Revision
17/2/2025 to 22/2/2025	d) Sugarcane root borer (<i>Emmalocera depressella</i>) e) Gurdaspur borer (<i>Bissellia stenolepis</i>) Revision.
24/2/25 to 1/3/2025	<u>Cotton</u> : (With their systematic position, habits and nature of damage caused. a) Pink bollworm (<i>Pectinophora gossypiella</i>) b) Red cotton bug (<i>Dysdercus cingulatus</i>)
3/3/2025 to 8/3/2025	c) Cotton grey weevil (<i>Myloecerus undecimpustulatus</i>) d) Cotton Jassid (<i>Amrasca devastans</i>) Test and Revision
17/3/2025 to 22/3/2025	Unit - II <u>Wheat</u> : Wheat stem borer (<i>Sesamia inferens</i>) with its systematic position, habits, nature of damage caused. Revision

24/3/2025
to
29/3/2025

Life cycle of of wheat stem borer and
its control method.
Test and Revision.

31/3/2025
to
5/4/2025

Paddy:- (With their systematic position, habits and
nature of damage caused.

- a) Gundhi bug (*Leptocoris acuta*)
- b) Rice grasshopper (*Heteroglyphus banian*)

7/4/2025
to
12/4/2025

- c) Rice stem borer (*Scirpophaga incertulus*)
 - d) Rice Hispa (*Dicladispa armigera*)
- Test and Revision

14/4/2025
to
19/4/2025

Unit - III
Vegetables:- (Their systematic position, habits and
nature of damage caused.

- a) *Aulacophora foveicollis* - The Red pumpkin beetle
- b) *Dacus cucurbitae* - The pumpkin fruit fly.

21/4/2025
to
26/4/2025

- c) *Tetranychus decarius* - The vegetable mites.
 - d) *Epilachna* - The Hadda beetle.
- Test and Revision.

28/4/2025
to
3/5/2025

stored grains:-

- a) Pulse beetle (*Callosobruchus maculatus*)
- b) Rice weevil (*Sitophilus oryzae*)

5/5/2025
to
10/5/2025

- c) Wheat weevil (*Trogodoma granarium*)
 - d) Rust Red flour beetle (*Tribolium castaneum*)
- Test and Revision.

Week	Topic
12/5/2025 to 17/5/2025	e) Lesser grain borer (<i>Rhizopertha dominica</i>) f) Grain and flour moth (<i>Sitotroga cerealella</i>) <u>Test and Revision</u>
12/5/2025 to 17/5/2025	<u>Unit - IV</u> i) important bird and rodent pests of agriculture and their management. <u>Bird Control</u> :- Biological control, its history, requirement and precaution and feasibility of biological agents for control.
19/5/2025 to 24/5/2025 26/5/2025 to 30-31/5/2025	<u>Chemical Control</u> :- History, Categories of pesticide, important pesticide from each category to pest against which they can be used, insect repellents and attractants. Integrated pest managements. <u>Test and Revision</u> <u>Unit test</u>

Subharti

Govt. College Matanhail (Jhajjar).

Lesson Plan

Session - 2024-25

Subject :- Basics of Zoology - II
MDC (Zoology)

Semester - II

Week	Topics <u>Unit - I</u>
1, 3/2/2025 - to 8/2/2025	<u>Basics of Chordates</u> :- Define and silent features of chordates. <u>Revision</u>
10/2/2025 to 15/2/2025	Difference between non-chordates and chordates Characteristics of protochordates. <u>Revision.</u>
17/2/2025 to 22/2/2025	<u>Pisces</u> :- (Fishes) : <u>Unit II</u> Characteristic features of freshwater and marine fishes. <u>Test and Revision</u>
24/2/25 to 1/3/2025	i) Edible fishes of India. ii) Composite fish culture.
3/3/2025 to 8/3/2025	<u>Class Amphibia</u> :- i) Features of ambibians ii) Parental care in amphibians.
17/3/2025 to 22/3/2025	i) Role of Amphibians in ecosystem. ii) Identification of turtles and tortoise.
24/3/2025 to 29/3/2025	i) Identification of Frog and Toad. ii) <u>Test and Revision.</u>

Week	Topics
31/3/2025 to 5/4/2025	Class <u>Reptilia</u> :- <u>Unit - III</u> Features of Reptiles, Common reptiles of India.
7/4/2025 to 12/4/2025	i) Identification of Poisonous and non-poisonous snakes. ii) Test and Revision
14/4/2025 to 19/4/2025	i) Difference between crocodile and Gharial ii) Revision.
21/4/2025 to 26/4/2025	Class <u>Aves</u> :- <u>Unit - IV</u> i) Characteristic features of birds ii) Common birds of India.
28/4/2025 to 3/5/2025	i) Flight adaptations in birds. ii) Commercial use of birds.
5/5/2025 to 10/5/2025	i) Roles of birds in agriculture ii) Test and Revision
12/5/2025 to 19/5/2025	Class <u>Mammals</u> :- General characters of mammals. Revision.
19/5/2025 to 24/5/2025	Economic importance of mammals. Revision & Test.
	<u>Revision</u>

Shubham

Govt. College Matanhail (Jhajjar)

Lesson Plan

Session - 2024-25

Semester - IInd

Subject: Minor Zoology

Class - B.Sc Life Science -

Week

Topic

Unit - I

1, 3/2/2025 to

8/2/2025

- i) DNA Profiling : Introduction
- ii) History of DNA Typing

10/2/2025

to

15/2/2025

- i) Human genetics - heredity
- ii) alleles

17/2/2025

to

22/2/2025

- i) Gene Mutation
- ii) Molecular biology of DNA

24/2/25 to

1/3/2025

- i) Molecular biology of RNA
- ii) DNA types
- iii) Test and Revision

3/3/2025 to

8/3/2025

- Unit - II
- i) DNA Polymorphism : VNTR, STR, SNP, Mt. DNA
 - ii) DNA Markers

17/3/2025

to

22/3/2025

- i) Sequence polymorphism
- ii) Test and Revision

24/3/2025

to

29/3/2025

- i) DNA Typing system -
 - a) RFLP analysis
 - b) PCR amplification

31/3/2025

to

5/4/2025

- Unit - III
- DNA profiling method :- Sample collection and preservation for DNA profiling

Week	Topics
7/4/2025 to 12/4/2025	i) DNA Extraction ii) Analysis of SNP, STR, Y-STR iii) Revision.
14/4/2025 to 19/4/2025	i) Mitochondrial DNA ii) Evaluation of Result & database.
21/4/2025 to 26/4/2025	i) Quality control ii) Certification and accreditation iii) Test and Revision.
28/4/2025 to 3/5/2025	Unit - IV Forensic application of DNA Profiling : i) Application in disputed paternity case. ii) Child swapping
5/5/2025 to 10/5/2025	i) Missing person's identity - i) civil immigration ii) Veterinary.
12/5/2025 to 17/5/2025	i) Wild life and agriculture cases ii) Legal perspectives - legal standards for admissibility of DNA profiling
19/5/2025 to 24/5/2025	i) New and future technologies : DNA chips ii) Rapid DNA analyser. iii) Test and Revision
26/5/2025 to 30/5/2025	i) Limitations of DNA profiling ii) Test and Revision
	Revision

7/1/2025 to 11/1/2025	Unit - I <u>Amphibia</u> : i) Origin of Amphibia ii) Evolutionary tree
13/1/2025 to 18/1/2025	Type study of frog i) Morphology of frog. ii) Digestive system of frog
20/1/2025 to 25/1/2025	i) Circulatory system of frog ii) Excretory system of frog Revision
27/1/2025 to 1/2/2025	i) Reproductive system of frog ii) Nervous system of frog. iii) Respiratory system
3/2/2025 to 8/2/2025	i) Parental care in Amphibia ii) Unit Test and Revision.
10/2/2025 to 15/2/2025	Unit - II <u>Reptilia</u> : - Type - study of Lizard (<u>Hemidactylus</u>) i) Morphology and General characters of Lizard.
17/2/2025 to 22/2/2025	i) Digestive system of Lizard ii) Circulatory system of Lizard. iii) Excretory system of Lizard.
24/2/2025 to 1/3/2025	i) Nervous system of Lizard ii) Reproductive system of Lizard
3/3/2025 to 8/3/2025	i) Origin of Amphibia ii) Evolutionary tree

17/3/2025 to 22/3/2025	i) Poisonous and non-Poisonous snakes ii) Poisonous apparatus in snakes iii) Revision and test.
24/3/2025 to 29/3/2025	<u>Unit - III</u> <u>Aves</u> : Type study of Pigeon i) Morphology of Pigeon ii) Digestive System of Pigeon
31/3/2025 to 5/4/2025	i) Circulatory System of Pigeon ii) Respiratory System iv) Nervous System
7/4/2025 to 12/4/2025	iii) Reproductive System of Pigeon (ii) Flight adaptation. iii) Principles of aerodynamics in Birds flight. iv) Migration in Birds
14/4/2025 to 19/4/2025	<u>Unit IV</u> <u>Mammals</u> : i) classification ii) Morphology of rat. iii) Digestive System of rat.
21/4/2025 to 26/4/2025	i) Respiratory System of rat ii) Nervous System of rat iii) Reproductive System of rat.
28/4/2025 to 3/4/2025	i) Adaptive radiation in mammals. ii) Dentition in mammals. iii) Unit test
4, 5/4/2025	i) Revision and Unit test.

Lesson Plan
(2024-25)

Name of Assistant Professor :- Ms. Diksha, Class :- BA/BSc 6th Sem

Paper's Name :- Linear Algebra

January

Week-2 Vector spaces & Subspaces

Week-3 Sum & Direct Sum of subspaces, Linear Span

Week-4 Linear independent & dependent, Finitely generated vector space

Week-5 Basis, Existence theorem for basis of a finitely generated vector space.

February

Week-1 Dimension, Finite dimensional vector spaces

Week-2 Invariance of the no. of elements in basis sets, Quotient space & dimension

Week-3 Revision & exercise discussion.

Week-4 Homomorphism & Isomorphism of vector spaces

March

Week-1 Linear transformation & linear forms on vector spaces

Week-2 Dual space, Bidual space & Null space, Range space of a linear transformation

Week-3 Rank & Nullity theorem & Revision of Unit-I & II

Week-4 Algebra of linear transformation, Assignment & test.

April

Week-1 Singular & Non-singular, Minimal poly. of Linear transf.

Week-2 Matrix of Linear transformations, Change of basis.

Week-3 Eigen Value & Eigen vectors of Linear transformations

Week-4 Inner Product space, Cauchy-Schwarz inequality, Orthogonal vector, Complementary, Orthonormal vectors, Bessel's inequality, Orthogonalization Process

Week-5 Gram-Schmidt, Adjoint of L.T. & its property, Unitary linear transformation.

May

Week-1 Revision of Unit - III & IV, Assignment & test.

Dik

Lesson Plan
(2024-25)

Name of Assistant Professor :- Ms. Diksha, Class :- B.A/B.Sc 6th Sem

Paper's Name :- Dynamics

January

- Week-2 Velocity along radial, transverse, tangential & normal directions
- Week-3 Acceleration along radial, transverse, tangential & normal directions
- Week-4 Relative Velocity & acceleration.
- Week-5 Simple Harmonic motion.

February

- Week-1 Elastic strings & Revision.
- Week-2 Mass, Momentum & Force, Newton's laws of motion
- Week-3 Work, Power & Energy
- Week-4 Conservative forces & Impulsive forces & Revision.

March

- Week-1 Motion on smooth & rough plane curves
- Week-2 Projectile motion of a particle in a plane
- Week-3 Vector angular Velocity, Assignment & test.
- Week-4 Revision & Problem discussion.

April

- Week-1 General motion of a rigid body.
- Week-2 Central orbits, Kepler Law of motion.
- Week-3 Motion of a particle in 3-D.
- Week-4 Acceleration in terms of different Co-ordinate system
- Week-5 Revision & Assignment

May

- Week-1 Problem discussion & test.

Diksha

Lesson Plan

(2024-25)

Name of Assistant Professor:- Ms. Diksha, Class:- B.A/BSc(NM) 4th Sem
Paper's Name:- Special Functions & Integral Transforms

January

Week-2 Series solution of diff. eqn by Power Series Method

Week-3 Definition of Beta & Gamma funct.

Week-4 Bessel's eqn & soln

Week-5 Bessel's funct. & their properties & problem discussion

February

Week-1 Orthogonality of Bessel's Functions.

Week-2 Legendre Function, recurrence relation & generation funct.

Week-3 Hermite function, recurrence relation & generation funct.

Week-4 Legendre & Hermite polynomial & their Rodrigue's formula & Revision.

March

Week-1 Laplace transforms & problem discussion.

Week-2 Existence & shifting theorem of Laplace funct., Laplace transform of differentiation & integration, Convolution theorem

Week-3 Inverse Laplace transforms, convolution theorem & soln of diff. eqn using Laplace transforms.

Week-4 Assignment ~~April~~ and test & revision.

April

Week-1 Fourier transforms, Linearity & shifting property

Week-2 Modulation, Convolution theorem

Week-3 Fourier transform of Derivatives, Relation b/w Fourier transform & Laplace transform

Week-4 Parseval's Identity for Fourier transforms.

Week-5 Problem discussion & Assignment

May

Week-1 soln of diff. eqn by using Fourier transforms & Revision.

Lesson Plan
(2024-25)

Name :- Ms. Diksha, Assistant Professor of Mathematics

Subject :- Sequence & Series

Class :- B.A/B.Sc(N.M) 4th Sem.

January

- Week-2 Boundedness of the set of real numbers
Week-3 Neighbourhoods, interior, limit points & isolated points
open & closed sets
Week-4 Closure & compact set, Bolzano-Weierstrass & Heine-
Borel theorem
Week-5 Sequence & their convergence

February

- Week-1 Cauchy's sequence, Cauchy general Principle of convergence
Week-2 Subsequence & subsequential limits
Week-3 Convergence & divergence of infinite series
Week-4 Comparison test & Revision & problem discussion
of Unit-1.

March

- Week-1 Hyper Harmonic series, D'Alembert's ratio test, Raabe's
test
Week-2 De Morgan & Bertrand's test, Cauchy root test, Gauss
test, Cauchy's integral & condensation test
Week-3 Problem discussion, assignment & test.
Week-4 Leibnitz's test, absolute & conditional convergence.

April

- Week-1 Abel's test, Dirichlet's test
Week-2 Reimann's Re-arrangement theorem, Pringsheim's theorem.
Week-3 Multiplication of Series, Cauchy Product of series
Week-4 Convergence of inf. series & problem discussion.
Week-5 Assignment & test & revision.

May

- Week-1 Absolute convergence of infinite series & revision.



Lesson Plan

(2024-25)

Name of Assistant Professor :- Ms. Diksha

Class :- B.A/B.Sc 5th semester, Paper's Name :- Real Analysis

July

Week-4 Riemann Integrable function, Riemann Integrability of Cont & mont. funct.

Week-5 The fundamental theorem of Integral Calculus

August

Week-1 Mean Value theorem & exercise discussion.

Week-2 Improper Integral & their convergence

Week-3 Cont., diff. & integrability of integral funct. of a parameter

Week-4 Revision, Assignment & test

Week-5 Metric spaces & their examples

September

Week-1 Neighbourhood, limit points, interior point, open & close set of a metric space

Week-2 Closure, interior set, boundary point of a metric space

Week-3 Subspace of metric space, equivalent metrics

Week-4 Cauchy sequences, Completeness & revision.

October

Week-1 Cantor's Intersection theorem, Baire's category theorem.

Week-2 Banach Contraction Principle & exercise discussion

Week-3 Cont., unif. cont. & compactness for metric spaces

Week-4 Assignment & Test.

November

Week-1 Sequentially compact, Bolzano-Weierstrass property.

Week-2 Finite intersection property, connectedness, components & Cont. in relation with connectedness

Week-3 Revision of all units.

Dr.

Lesson Plan

(2024-25)

Name of Assistant Professor :- Ms. Diksha, Paper's Name :- Groups & Rings
Class :- B.A/B.Sc(NM) 5th Sem

July

Week-4 Definition of a group with examples

Week-5 Properties of group

August

Week-1 Subgroups & Subgroup criteria, Generation of groups

Week-2 Cyclic groups, Coset, index of Subgroup, Coset decomposition

Week-3 Lagrange's theorem, Normal Subgroup, Quotient groups.

Week-4 Homomorphism, isomorphism & Automorphism

Week-5 Revision & problem discussion & Assignment.

September

Week-1 Inner Auto., Permutation group, even & odd permutation with examples.

Week-2 Alternating group, Cayley's theorem, Centre of group & Derived group

Week-3 Introduction of rings & subrings

Week-4 Revision of Unit I & II & problem solved & test.

October

Week-1 Definition of integral domain & field with examples, Characteristics of ring

Week-2 Ring of Homomorphism, ideals, Quotient rings & field of Quotient

Week-3 Assignment & revision of Unit-III.

Week-4 Euclidean rings & Polynomial rings

November

Week-1 Polynomials over rational field, The Eisenstein's criterion, UFD

Week-2 Unique factorization domain implies so is $R[x_1, x_2, \dots, x_n]$.

Week-3 Test & revision of Unit-IV, problem discussion.



Lesson Plan
(2024-25)

Name of Assistant Professor:- Ms. Diksha , Paper:- Partial Differential Equation
Class:- B.A/B.Sc(NM) 3rd Semester

July

- Week-4 PDE's formation, order & degree.
- Week-5 Linear, non-Linear PDE of first order:- Complete soln.
general & singular soln.

August

- Week-1 Soln of Lagrange's linear eqn
- Week-2 Charpit's general method of soln, Compatible system, Jacobi's method.
- Week-3 Revision of Unit-1 & Assignments, tests.
- Week-4 Linear PDE of 2nd & higher orders, Linear & non-Linear homo. & non-homo. eqn with constant coeff.
- Week-5 PDE with variable coeff. red. to eqn with const. coeff. their complimentary funct. & part. integral

September

- Week-1 Equation reducible to linear eqn with const. coeff. & revision of Unit-II & test.
- Week-2 Classification of linear PDE of 2nd order & their canonical form & soln.
- Week-3 Soln of Hyperbolic eqn.
- Week-4 Monge's Method for PDE of 2nd order

October

- Week-1 Revision of Unit-III, test & Assignment
- Week-2 Cauchy's problem, Characteristic eqn & characteristics curves.
- Week-3 Method of separation of variables for Wave eqn in one & two dimension in Cartesian co-ordinates
- Week-4 Method of separation of variable for Heat eqn in one & two dimension in Cartesian Co-ordinates

November

- Week-1 Method of separation of variables for Laplace eqn in Cartesian co-ordinates
- Week-2 Revision of Unit-IV & test.
- Week-3 Revision of all units.



Lesson Plan

(2024-25)

Name of Assistant Professor :- Ms. Diksha, Paper's Name :- Advanced Calculus
Class :- B.A/B.Sc(NM) 3rd Semester

July

Week-4 Continuity & properties of continuous function.

Week-5 Uniform continuity, Chain rule of differentiability.

August

Week-1 Mean value theorem, Rolle's th^m & Lagrange's mean value th^m & their geometrical interpretation.

Week-2 Taylor's theorem with various forms of remainders

Week-3 Darboux intermediate value th^m & indeterminate forms

Week-4 Limit & Continuity of real valued funct. of two variables.

Week-5 Revision of Unit-I, Assignments & test.

September

Week-1 Partial diff., Total Diff., Composite & Implicit funct.

Week-2 Homogenous funct. & Euler's th^m on Homo. funct.

Week-3 Taylor's th^m for funct. of two variables, revision of Unit-II & test.

Week-4 Differentiability of real valued funct. of two variables

October

Week-1 Schwarz & Young's theorem, Implicit function theorem.

Week-2 Maxima, Minima & saddle points of two variables, Lagrange's multipliers

Week-3 Revision of Unit-III, Assignment & test.

Week-4 ^{Curves} Tangents, Principal normals, Binormals, Serret-Frenet formulae, Locus of centre of curvature, Spherical curvature & Locus

November

Week-1 Evolutes, Bertrand curves

Week-2 Surfaces:- Tangent planes, One Parameter family of ~~curve~~ surfaces, Envelopes

Week-3 Revision of Unit-IV, test & problem discussion.

Q.M.

Lesson Plan 2024-25

Subject - Geography

BA 3rd yr

Semester = 5th

Navneet Kumar Puni's
Asst. Professor.

Month / Duration

Topic

- 1 - 15 July 2024 → Nature, scope and relationship of economic geography with economics and other branches of social sciences.
- 16 July - 31st July 24 → Classification of economic activities and their impact on environment.
- 1st - 15 August 24 → World natural resources: Types, bases and classification
- 16th Aug - 31 Aug 24 → Conservation and utilization of Natural Resources
- 1 - 15 Sept. 24 → Spatial distribution of food (Rice and wheat), Commercial (Cotton & Sugarcane) and plantation crops (Tea, Rubber and Coffee)
- 16 - 30 Sept 24 → Classification of mineral resources (Ferrous & Non ferrous)
Distribution and production of Coal, iron ore.
- 1st - 15th Oct 24 → Distribution and production of Petroleum and natural gas.
Classification of Industries, World distribution and production of Iron and steel Industry.
- 16th - 31st Oct 24 → Textile Industry, Major industrial complexes of the world.
- 1st Nov - 20th Nov 24 → Transport, Communication and Trade;
Geographical factors in their development, major modes of water, land and air transport, Recent trends in International Trade.

Govt. College Martanail.

Lesson Plan. Geography.

Session - 2024-25

Subject :- Skill Enhancement Course.

Class - BA. Ist.

Name of Faculty :- RAKESH KUMAR

Semester - Ist.

July.

22-27 :- Geometric elements of aerial Photographs.

29-31 :- Geometric elements of aerial Photographs.

Aug.

1-3 :- Stereoscopy.

5-10 :- stereoscopic vision pocket stereoscope.

12-17 :- stereoscopic vision mirror stereoscope.

19-24 :- Making stereograms.

26-31 :- Making stereograms.

Sep.

2-7 :- Fundamentals of aerial Photo Interpretation.

9-14 :- Elements of Visual air Photo Interpretation.

16-21 :- Comparison between aerial photograph and Satellite Image.

23-28 :- Scale determination on Vertical aerial Photograph.

Rakesh

Oct.

1-5 :-

Scale determination on vertical aerial photograph.

7-12 :-

Scale determination on vertical aerial photograph.

14-19 :-

Identification and mapping of Physical and Cultural features on an image.

21-26 :-

Identification and mapping of Physical and Cultural features on an image.

27-31 :-

Holiday.

Nov

1-3 :-

Holiday.

4-9 :-

Introduction to GIS - Definition and Concept.

11-16 :-

Hardware and Software Requirements for GIS.

18-23 :-

Creating basic layers in GIS (Point, Line and Polygon)

25-30 :-

Creating basic layers in GIS (Point, Line and Polygon.)

Rakenn.

Govt. College Matanhail.

Lesson Plan.

Session - 2024-25

Name of the
Course :- Geography and
Environment.

Class - B.A.Tst.

Semester - Third

Name of Faculty - Rakesh Kumar

Feb.

1-8 :- Environment: Meaning, Definition and Components.

10-15 :- Approaches to man - Environment Relationship.

17-22 :- Ecology and Ecosystem.

24-28 :- Environmental Pollution: Air Pollution.

March

1-8 :- Water Pollution.

9-16 :- Holiday.

17-22 :- Noise Pollution, Land Degradation.

24-29 :- Depletion of Ozone Layer, desertification.

31. :- Test.

Rakesh

April :-

1-5 :- Greenhouse effect and Climate Change.

7-12 :- Conservation and management of Environment:
Concept, methods and approaches.

14-19 :- Conservation and management of Environment.
Concept, methods and Approaches.

21-26 :- Environmental Policies and Programmes:
Awareness and movements in India

28-30 :- Environmental Policies and Programmes:
Awareness and Movements in India.

Rakesh

Govt. College Matanhail.

Lesson Plan.

Session - 2024-25

Sub. - Geography MINOR.

Class - B.A. IY.

Name of the course :- Introduction to Geography.

Semester - IY.

Name of faculty :- RAKESH KUMAR.

July.

22-27 :- Introduction of Geography.

29-31 :- Geography: Nature and Scope.

Aug.

1-3 :- meaning of Geography and its branches.

5-10 :- Place of Geography in the classification of sciences.

12-17 :- Geography and other disciplines.

19-24 :- Career opportunities for Geographers.

26-31 :- Core Geographic Concepts: Location, direction and Patterns.

Sep.

2-7 :- World time-Zones, Indian standard time and International date line.

9-14 :- Interior of the earth.

16-21 :- Plate-tectonic theory.

Rakesh

23-28 :- Meaning and classification of Rocks: Igneous, sedimentary and metamorphic.

Oct.

1-5 :- Composition and structure of the atmosphere.

7-12 :- Elements of weather and climate, Atmospheric Temperature.

14-19 :- Insolation and Heat Budget, Vertical and Horizontal distribution of Pressure.

21-26 :- Wind circulation: Planetary, Periodic and Local winds.

27-31 :- Holiday.

Nov.

1-3 :- Holiday.

4-9 :- Atmospheric moisture: Humidity, Evaporation and Condensation.

11-16 :- Hydrological cycle, types of Precipitation.

18-23 :- Distribution of Rainfall.

25-30 :- Atmospheric Pollution: Causes, Consequences and measures to control.

Dec.

3-7 :- Atmospheric Pollution and Global Warming.

Reesh

Govt. College Matanhail.

Lesson Plan.

Name of the
Course :- Geography and
Environment.

Session - 2024-25

Class - B.A. Int.

Semester - Int.

Name of faculty :- RAKESH KUMAR

<u>July.</u>	
<u>22-27</u> :-	Introduction to Geography.
<u>29-31</u> :-	Introduction to Geography.
<u>Aug.</u>	
<u>1-3</u> :-	Geography meaning and definition.
<u>5-10</u> :-	Branches of Geography.
<u>12-17</u> :-	Relation of Geography with other disciplines.
<u>19-24</u> :-	Solar systems.
<u>26-31</u> :-	Core Geographic Concepts : origin of earth.
<u>Sep.</u>	
<u>2-7</u> :-	Earth shape, Rotation and Revolution.
<u>9-14</u> :-	Formation of days, Nights and Seasons.
<u>16-21</u> :-	Latitudes and Longitudes.
<u>23-28</u> :-	Earth's Interior.

Rakesh

Oct.

1-5 :- Earthquake types and distribution.

7-12 :- Volcano types and distribution.

14-19 :- types of Rocks: Igneous, sedimentary and Metamorphic.

21-26 :- Weathering definitions and classification.

27-31 :- Holiday.

Nov.
1-3 :- Holiday.

4-9 :- Composition of atmosphere: Gases, water vapour and dust particle.

11-16 :- structure of atmosphere.

18-23 :- temperature.

25-30 :- Precipitation: meaning and types.

Rakam

Govt College Matanhail.

Lesson Plan.

Session - 2024-25

Class - B.A. IY.

Semester - IY.

Name of the Course :- Physical Geography.

Name of Faculty :- RAKESH KUMAR

July.

22-27 :- Nature and scope of Physical Geography.

29-31 :- Nature and scope of Physical Geography.

Aug.

1-3 :- Interior of the earth Introduction.

5-10 :- Sources of knowing interior of earth.

12-17 :- Different Interior layers and their chemical composition.

19-24 :- Classification of Rocks: Igneous.

26-31 :- Sedimentary and Metamorphic.

Sep.

2-7 :- Geomorphic Processes (endogenetic and exogenetic forces.)

Rakesh

9-14 :- Continental drift theory.

16-21 :- Continental drift theory.

23-28 :- Sea floor spreading theory.

Oct.

1-5 :- Plate-tectonic theory.

7-12 :- Classification of Landforms (first, second and third order)

14-19 :- Volcanoes types and distribution.

21-26 :- Earthquakes types and distribution.

27-31 :- Holiday.

Nov.

1-3 :- Holiday.

4-9 :- Denudational Processes: Weathering.

11-16 :- Denudational Processes: erosion and mass wasting.

18-23 :- The work of River.

25-30 :- The work of wind.

Dec.

2-7 :- The cycle of erosion (Davis)

Raksh

Govt. College Matanhail.

Lesson - Plan -

Session - 2024-25

Name of the Course:- Introduction to
Human Geography.

Class - B.A. Ist.

Name of Faculty:- RAKESH KUMAR

Semester - IInd.

Feb.

1-8 :- Human Geography: meaning, nature and scope.

10-15 :- Changing man-environment relationship:
Determinism, Possibilism, Neo-Determinism,
Human-Ecology and Recent Perspectives.

17-12 :- Evolution of mankind: Hunting and food
Gathering.

24-28 :- Pastoral Nomadism, Subsistence farming.

March :-

1-8 :- Human Adaptation to Environment: Eskimo and
Bushman.

9-16 :- Holiday.

Rakesh

7-22 :- Primitive People of India: Bhil and Naga.

24-29 :- Racial Classification: Griffith Taylor and B.S. Guha.

31 :- Unit Test.

April

1-5 :- Demographic attributes: Composition, Growth and Distribution.

7-12 :- Human Migration: Causes, types and trends.

14-19 :- Human Settlements: types, distribution and affecting factors.

21-26 :- Dynamics of population Resource, Relationship. Population Resource Regions (Ackerman)

28-30 :- Development and Environment conflicts.

Rajesh

Govt. College Matanhail.

Lesson - Plan.

Name of Program: - Skill Enhancement Course.

Session - 2024-25

Class - B.A. Ist.

Name of the Course: - Geospatial Data: Open Data Sources.

Semester - Third.

Name of faculty: - RAJESH KUMAR

Feb.

1-8 :- Geospatial data :- Definition and Concept.

10-15 :- types of Geospatial data: Vector and Raster.

17-22 :- Sources of open data: Bhuvan, USGS/GILCF

24-28 :- Google earth engine.

march

1-8 :- Survey of India, toposheets and its Nomenclature.

9-16 :- Holiday.

17-22 :- obtaining open data from Bhuvan, USGS/GILCF.

24-29 :- Google earth engine and Survey of India toposheets.

31 :- Unit test.

Rajesh

Lesson plan BA II Sem III Academic Year 2024-25

Physical Geography II (Theory)

22 July - 27 July	Weather and Climate
29 July - 3 August	Composition and Structure of the Atmosphere
5 August - 12 August	Insolation and Temperature
	Assignment of Unit 1
13 August - 24 August	Atmospheric Pressure and Winds
27 August - 31 August	Atmospheric Humidity and Precipitation
	Assignment of Unit 2 and Test of Unit 1 & Unit 2
2 Sept. - 9 Sept.	Airmasses, Fronts and Cyclones
10 Sept- 17 Sept.	Climatic Classification
18 Sept.- 25 Sept.	Climatic Change and Global Warming
	Test of Unit 3
26 Sept- 5 Oct.	Surface Configuration of the Ocean Floor
7 Oct- 15 Oct	Temperature and Salinity of Oceanic Water
16 Oct-26 Oct.	Circulation of Oceanic Water
	Assignment of Unit 4
4 Nov- 14 Nov	Oceanic Resources
16 Nov- 22 Nov.	Presentation/ Revision/ Remedial Classes

Annu
 Dr. Annu
 Assistant Professor of
 Geography

Lesson plan BA I Sem I Major Course Academic Year 2024-25
Introductory Cartography (Practical)

22 July- 24 August	Nature, subject matter and historical development of cartography
27 August-31 August	Map design and cartographic techniques
2 Sept. 7 Sept.	Visual hierarchy and legibility of map
9 Sept. 21 Sept.	Classification of maps
24 Sept- 28 Sept.	Elements of map: direction, index, conventional signs and symbols (point, line and area)
30 Sept. -26 Oct.	Map scales: statement scale, representative fraction and graphical scale
	Assignment/ Test
4 Nov.-16 Nov.	Representation of relief: contours, hachures, form lines, spot heights, bench marks and trigonometrical stations
	Presentation/ Revision/ Remedial Classes

Anna

Dr. Anna.

Assistant Professor
of Geography

Lesson plan BA I Sem I Minor Course Academic Year 2024-25

Elements of Map (Practical)

24 July - 21 August	Nature, subject matter and historical development of cartography
22 Aug.- 29 Aug	Basic concepts of cartography
4 Sept.- 12 Sept.	Classification and applications of maps
18 Sept.-24 Oct.	Distribution Maps
	Assignment/ Test
7 Nov, 14 Nov.	Elements of map: title, direction, index, conventional signs and symbols (point, line and area), scale, latitudes and longitudes
	Presentation/ Revision/ Remedial Classes

Annu
Dr. Annu,
Assistant Professor
of Geography.

Lesson plan BA I Sem II Minor Course Academic Year 2024-25
Measurement and Representation of Climatic Data (Practical)

5 Feb- 13 Feb	Representation of climatic data: concepts and requirements
19 Feb- 27 Feb	Weather instruments: types and applications
5 March-6 March	Temperature measurements: simple thermometer, six's maximum-minimum thermometer, dry and wet bulb thermometer, thermograph
	Test/ Assignment
19 March-27 March	Humidity measurements: absolute humidity and relative humidity, hygrograph
2 April- 9 April	Precipitation measurement: using rain gauge
16 April- 17 April	Atmospheric pressure measurement: barometer and barograph
23 April-24 April	Representation of climatic data: Line graph, combined line and bar graph, climograph, hythergraph
1 May-7 May	Isotherms: world mean temperatures- January to July, India mean temperatures January to July
8 May- 15 May	Isobars: India mean pressure- January to July
21 May-31 May	Presentation/ Revision/ Remedial Classes

Ann

Dr. Anna.

Assistant Professor of
Geography

Lesson plan BA II Sem IV Academic Year 2024-25
Human Geography (Theory)

7 Jan- 11 Jan.	Nature and Scope of Human Geography
13 Jan- 22 Jan.	Human Races and Tribes of India
23 Jan- 29 Jan	The Concept of Man-Environment Relations
	Assignment of Unit 1
30 Jan- 4 Feb.	Human Adaptation to the Environment
5 Feb - 8 Feb.	Resources: Meaning, Nature and Components
10 Feb- 15 Feb.	Classification of Resources
17 Feb- 22 Feb.	Distribution and Utilization of Biotic Resources
24 Feb- 1 March	Distribution and Utilization of Abiotic Resources
3 March- 8 March	Conservation of Natural Resources
	Test of Unit 1 & 2 / Assignment of Unit 2
17 March-22 March	Population of the World
24 March-29 March	Concepts of Optimum Population, Overpopulation and Underpopulation
1 April- 4 April	Theories of Population
	Test
5 April- 8 April	Rural Settlements
9 April- 12 April	Origin and Growth of Towns
15 April- 17 April	Classification and Functions of Towns
18 April-23 April	Population Pressure Resource Use and Environmental Degradation
24 April- 28 April	Sustainable Development
	Assignment of Unit 4
1 May- 5 May	Presentation/ Revision/ Remedial Classes

Anna

Dr. Anna
 Assistant Professor of Geography

Lesson plan BA I Sem II Major Course Academic Year 2024-25

Principles of Thematic Cartography (Practical)

1 Feb- 15 Feb.	Cartography: an introduction
17 Feb- 8 March	Techniques in thematic data representation: bar, line and circle diagram
	Test/ Assignment
17 March- 29 March	Techniques in thematic data representation: climograph and hythergraph
1 April-19 April	Techniques of thematic mapping: choropleth, dot method, chorochromatic, choroschematic
21 April- 17 May	Interpolation method and isopleth mapping
19 May-31 May	Presentation/ Revision/ Remedial Classes

Anna

Dr. Anna

Assistant Professor of
Geography

BA - 2024-25
Semester VI
International Economics

UNIT	Content	Teaching Periods	Revision By Unit	Test / Doubt
Unit-I	A. Inter-regional and International Trade;	1		
	B. Comparative Cost Theory;	2		
	C. Hecksher-Ohlin Theory;	1	2	1
	D. Rate of Exchange Determination;	3		
	E. Mint Par Theory and Purchasing Power Parity Theory	3	2	1
Unit-II	A. Fixed and Flexible Exchange Rate;	2		
	B. Exchange Rate Policy in India.	2		
	C. Free Trade Vs Protection;	3	2	1
	D. Terms of Trade,	3		
	E. Exchange Control.	3	2	1
Unit-III	A. Foreign Trade in India since 1991	1		
	B. Change in Value, Volume,	1		
	C. Composition	1	1	1
	D. Direction of Foreign Trade in India since 1991;	1	1	
	E. Balance of Trade	1		
	F. Balance of Payments Structure,	1		
	G. Causes of adverse Balance of Payment in India	1		
	H. Measure to correct it.	2		
	I. Foreign Trade Multiplier.	1	2	1
Unit-IV	A. International Monetary Fund	1		
	B. Objectives,	1		
	C. Functions and	2	1	1
	D. advantages for India;	2	1	
	E. World Bank;	2	1	
	F. World Trade Organisation and	3	1	1
	G. South Asian Association for Regional Cooperation	2		
	H. Preferential Trading Arrangement (SAPTA).	2	1	1
		45	16	9

Buffer periods - 10

BA - 2024-25
Semester V
Developmental Economics

UNIT	Content	Teaching Periods	Revision By Unit	Test / Doubt
Unit-I	A. Features of U.D.C's,	2		
	B. Economic Growth and Development;	2		
	C. Determinants, Measurement and obstacles of Economic Development,	3	3	2
	D. Vicious Circle of Poverty.	2	1	1
Unit-II	A. Balanced Growth Theories,	2		
	B. Unbalanced Growth Theories,	2	2	1
	C. Lewis' Model	2	1	1
	D. Leibenstein's Critical minimum effort thesis.	2	1	1
Unit III	A. Environment, Meaning, features and components of Environment.	3		
	B. Scope of Environmental Economics;	2		
	C. Environment as a necessity and luxury.	2	2	1
	D. Population-Environment linkage.	2	1	1
	E. Features of Environment as a public good.	2	1	1
Unit IV	A. Natural Resources;	1		1
	B. Environmental pollution, types, causes and effects.	3	1	
	C. Control policies;	2		
	D. Environmental legislations in India.	1	1	1
	E. Sustainable Development: meaning;	1		
	F. indicators,	1		
	G. measurement	2		
	H. importance of Sustainable Development.	1	2	1
		40	16	12

Buffer period - 12

BA - 2024-25
Semester IV
Macro Economics - II

UNIT	Content	Teaching Periods	Revision By Unit	Test / Doubt
Unit I	Money in a Modern Economy a. Concept of Money in a Modern Economy; b. Monetary Aggregates; c. Demand for Money; d. Quantity Theory of Money; e. Liquidity Preference and Rate of Interest; f. Money Supply; g. Credit Creation h. Monetary Policy.	1 2 1 2 1 2 1 2	2 2	1 1 1
Unit- II	IS-LM Analysis, Trade Cycle Theory and Growth Theory a. Derivation of IS and LM Functions; b. IS-LM and Aggregate Demand; c. Shifts in AD Curve. d. Theories of Trade cycles: Samulson and Hicks models, e. Harrod and Domar growth model.	2 2 1 2 2	 2 2	 1 1 1
Unit- III	Balance of Payments and Exchange Rate a. Gains from International Trade, b. Balance of Payments; c. Market for Foreign Exchange; d. Determination of Exchange Rates.	2 3 3 2	 2 2	 1 1 1
Unit- IV	Public Finance a. Nature and Scope of Public Finance, b. Principle of Maximum Social Advantage, c. Effects of Public Expenditure, d. Impact and Incidence of taxes, e. Characteristics of a Good Taxation System.	1 1 2 2 3	 2 2	1 1 1
		40	16	12

Buffer period - 10

BA - 2024-25
Semester III
Macro Economics - I

UNIT	Content	Teaching Periods	Revision By Unit	Test / Doubt
Unit-I	Introduction to Macroeconomics and National Income Accounting 1. Macroeconomics: Nature and Scope; 2. Macroeconomic Issues in an Economy. 3. Concepts of GDP and National Income; 4. Measurement of National Income and Related Aggregates; 5. Nominal and Real Income; 6. Limitations of the GDP concept. 7. Methods of measurement of India's National Income by CSO.	1 1 2 2 1 1 2	 2 2	 3
Unit-II	National Income Determination 1. Actual and potential GDP; 2. Aggregate Expenditure – 3. Consumption Function , 4. Investment Function; 5. Equilibrium GDP; 6. Concepts of MPC , APC, MPS, APS. 7. Autonomous Expenditure; 8. The Concept of Multiplier.	1 1 2 2 1 2 1 1	 2 2	 3
Unit-III	National Income Determination in an Open Economy with Government 1. Fiscal Policy – 2. Impact of Changes in Govt. Expenditure and Taxes; 3. Net Export Function; 4. Net Exports and Equilibrium GDP.	 2 3 2 2	 2 1	 3
Unit-IV	GDP and Price Level in Short and Long Run 1. Aggregate Demand and Aggregate Supply; 2. Multiplier Analysis with AD curve and Price level Changes; 3. Aggregate Supply in Short Run and Long Run.	 2 3 3	 2 1 2	 3
		38	16	12

Buffer periods - 12

BA - 2024-25
Semester II
Micro Economics - II

UNIT	Content	Teaching Periods	Revision By Unit	Test / Doubt
Unit - I	1. Perfect Competition: a. Characteristics and assumptions, b. Price determination under perfect competition, c. Equilibrium of the firm and industry in the short period and the long period. 2. Monopoly: a. Characteristics, b. Equilibrium of the monopoly firm in short period and long period, c. Concept of supply-curve under monopoly, d. Price discrimination, e. Measure of monopoly power.	1 1 2 1 2 1 1 1	 2 2	 1 2
Unit-II	Imperfect Market: 1. Monopolistic competition, a. Characteristics, b. Short period and long period equilibrium of the firm, c. Group-equilibrium, d. Selling costs, e. Product differentiation, f. Excess capacity. 2. Oligopoly a. Characteristics, b. emergence of oligopoly, c. cournot's model, d. Bertrand's model, e. Price rigidity, f. Price leadership, g. Collusive and non-collusive oligopoly.	1 1 1 1 1 1 1 1 1 1 1	 2 2	 1 1 1
Unit-III	1. Market failure: a. Market efficiency, b. Reasons for Market failure, c. Public goods and externalities, d. transaction costs, e. asymmetric information, f. public policy towards monopoly and competition	1 1 2 1 2 2	 1 1 1	 2
Unit-IV	1. Theory of factor pricing: a. Marginal productivity theory of distribution, b. Backward bending supply curve of labour, c. Ricardian and modern theory of rent, quasi-rent, d. Net and gross interest, theories of interest, e. Net and gross profit, theories of profit.	2 1 2 2 2	1 1 1 1 1	 2 2
		40	16	12

Buffer periods - 10

UNIT	Content	Teaching Periods	Revision By Unit	Test / Doubt
Unit-I	A. The Economic Problem: Scarcity and Choice, B. Functions of an Economic System, C. Circular Flow of Economic Activities, D. System of Economic Organization, E. Micro and Macro Economics, F. Law of Demand, G. Elasticity of Demand: concept, types, measurement, determinants and importance.	1 2 2 4	2 2	1 1 1
Unit - II	Consumer Theory: A. Concept of utility, B. Cardinal utility analysis, a. marginal and total utility, b. consumer's equilibrium, c. Derivation of demand curve, d. consumer's surplus. C. Ordinal Utility Theory: a. Indifference curves analysis, b. characteristics, c. budget line, d. marginal rate of substitution, D. Consumer's Equilibrium, E. Price, income and substitution effects, F. Derivation of demand curve, G. Limitations of utility theory of demand.	1 2 2 1 2 1	1 1 2	1 1 1
Unit-III	Producer's behaviour and Supply: A. Supply, B. Firm as an agent of production, a. Law of variable proportions, b. Returns to scale, C. characteristics of Iso-quants, D. Ridge lines, E. least cost combination of factors, F. Internal and external economies and diseconomies. G. Movements and shifts in supply curve, H. Elasticity of supply.	1 2 1 1 1 1 1 1	2 2 2	1 1
Unit - IV	1. Cost Analysis: A. Concepts of costs, B. short period costs and long period costs, C. Modern Theory of costs, 2. Revenue: A. Concepts of revenue; B. total, average and marginal revenue and their relationships, C. Break-even-analysis & its uses	4 4 1	2 2	1 1
		34	16	10

Govt. College, Matanhail (Jhajjar)

Lesson Plan for the Session 2024-25.

Name of Faculty:- Smt. Ompati

Class & Section:- B.A-II (A+B)

Subject:- Hindi

Semester:- Fourth

Week	Date	Topics
01.	07.01.2025 to 11.01.2025	ईदगाह (कहानी) व्याख्या व प्रश्नोत्तर, प्रेमचंद जीवन परिचय, जयशंकर प्रसाद साहित्यिक परिचय पुरस्कार (कहानी)
02.	13.01.2025 to 18.01.2025	ग्रेंगीन (कहानी) सच्चिद्वानंद वास्वयायन 'अज्ञेय' का साहित्यिक परिचय 1-3 कहानियों के प्रश्नोत्तर, दोहराई
03.	20.01.2025 to 25.01.2025	मलबे (कहानी) का मालिक, मोहन राकेश का साहित्यिक परिचय ठेस (कहानी) फणीश्वर नाथ रेणु का साहित्यिक परिचय
04.	27.01.2025 to 01.02.2025	फैसला (कहानी) मैत्रेयी पुष्पा का साहित्यिक परिचय दोहराई (टैस्ट)
05.	03.02.2025 to 08.02.2025	पच्चीस चौका डेढ सौ : कहानी का सार व्याख्यान, प्रश्नोत्तर, ओमप्रकाश वाल्मीकि का साहित्य परिचय
06.	10.02.2025 to	हिंदी साहित्य का आधुनिक काल : गद्य

	15.02.2025	आधुनिक काल की परिस्थितियाँ
07.	17.02.2025 to 22.02.2025	हिंदी उपन्यास: उद्भव और विकास
08.	24.02.2025 to 01.03.2025	हिंदी कहानी : उद्भव और विकास
09.	03.03.2025 to 08.03.2025	हिंदी नाटक : उद्भव और विकास
10.	17.03.2025 to 22.03.2025	हिंदी निबंध : उद्भव और विकास
11.	24.03.2025 to 29.03.2025	पारिभाषिक शब्दावली : स्वरूप और महत्व
12.	31.03.2025 to 05.04.2025	पारिभाषिक शब्दावली के गुण
13.	07.04.2025 to 12.04.2025	1-2 चैप्टर की दोहराई (टैस्ट)
14.	14.04.2025 to 19.04.2025	पारिभाषिक शब्दावली के निर्माण में सक्रिय विविध सम्प्रदाय : राष्ट्रीयतावादी
15.	21.04.2025 to 26.04.2025	ईदगाह, पुरस्कार, गैंग्रीन, मलबे का मालिक ठेस, फैसला, पच्चीस चौका डेढ सौ कहानियों की दोहराई
16.	28.04.2025 to 05.05.2025	आधुनिक काल की परिस्थितियाँ, हिंदी उपन्यास कहानी , नाटक, निबंध- उद्भव और विकास की दोहराई

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Govt. College, Matanhail (Jhajjar)

Lesson Plan for the Session 2024-25.

Name of Faculty:- Smt. Ompati

Class & Section:- B.A-III (A+B)

Subject:- Hindi

Semester:- Sixth

Week	Date	Topics
01.	07.01.2025 to 11.01.2025	आशा का अंत (निबंध), बालमुकुंद गुप्त
02.	13.01.2025 to 18.01.2025	उत्साह (निबंध), आचार्य रामचंद्र शुक्ल गिल्लू (संस्मरण), महादेवी वर्मा
03.	20.01.2025 to 25.01.2025	देवदास (ललित निबंध) आचार्य हजारी प्रसाद द्विवेदी मेरे राम का मुकुट भीग रहा है (ललित निबंध) विद्यानिवास मिश्र
04.	27.01.2025 to 01.02.2025	1 से 4 पाठ की दोहराई आंतरिक परीक्षण (टैस्ट)
05.	03.02.2025 to 08.02.2025	सदाचार का ताबीज (व्यंग्य) हरिशंकर परसाई मेरी तिब्बत यात्रा (यात्रा वृत्तांत) राहुल सांकृत्यायन
06.	10.02.2025 to 15.02.2025	हरियाणवी भाषा का उद्भव और विकास हरियाणवी भाषा की प्रमुख बोलियाँ
07.	17.02.2025 to	हरियाणा की सांग परम्परा : उद्भव और विकास

oht

	22.02.2025	दोहराई
	24.02.2025 to 01.03.2025	हरियाणवी भाषा का आधुनिक साहित्य हरियाणवी कविता: परिचय और प्रवृत्तियाँ
9.	03.03.2025 to 08.03.2025	हिंदी का गद्य- साहित्य उपन्यास साहित्य
10.	17.03.2025 to 22.03.2025	कहानी साहित्य नाट्य साहित्य
11.	24.03.2025 to 29.03.2025	हरियाणा भाषा का आधुनिक साहित्य दोहराई (टैस्ट)
12.	31.03.2025 to 05.04.2025	प्रयोजनमूलक हिंदी: पत्रकारिता पत्रकारिता- स्वरूप और प्रकार
13.	07.04.2025 to 12.04.2025	शीर्षक की संरचना संपादक के गुण और दायित्व
14.	14.04.2025 to 19.04.2025	फीचर लेखन
15.	21.04.2025 to 26.04.2025	स्वतंत्र प्रेस की अवधारणा दोहराई
16.	28.04.2025 to 05.05.2025	गद्य-गौरव, हरियाणवी भाषा और साहित्य का इतिहास हिंदी पत्रकारिता की दोहराई पिछले वर्षों के प्रश्न-पत्रों के द्वारा दोहराई

9/15

Govt. COLLEGE MATANHAIL
Lesson Plan for the Session 2024-2025
Name of Faculty - Panki Rani
class & Section - B.Sc Ist [N.m + M]
Subject: - Chemistry (Fundamental of chemistry)

Week	Date	Topics
1.	01/02/2025 to 08/02/2025	Non-aqueous Solvents :- Properties types, Characteristic, Solvent System concept, reaction, liquid NH_3 , liquid SO_2 .
2	10/02/2025 to 15/02/2025	Hard and Soft acids & Bases and their Applications. Noble Gases :- Preparation, Properties chemistry of Xenon, structure and Bonding.
3	20/02/2025 to 25/02/2025	oxides and oxyoxides, fluorides XeF_2 , XeF_4 , XeF_6 , XeO_3 , XeO_4 , XeOF_2 , XeO_2F_2 , XeOF_4 , XeF_5^+ , XeF_5^- , VBT and MOT for XeF_2 and XeF_4 VPSEPR Theory
4	27/02/2025 to 02/03/2025	Thermodynamic, :- First Law, heat capacity, heat capacities at constant volume and Pressure and their relationship, Joule's Law, Thomson coefficient for ideal gases and real gases.
5.	04/02/2025 to 09/02/2025	Inversion temperature, calculation of work and heat, du & dH for the Expansion of ideal and real gases under

Week	Date	Topics
5.	29/02/2025 to 04/03/2025	and adiabatic condition for reversible and irreversible processes, enthalpy and internal energy as function P, V & T , Kirchhoff's equation.
6.	03/03/2025 to 08/03/2025	Second Law of thermodynamics, Carnot's cycle, and theorem, entropy as a state function, Entropy as a function V & T and P & T , P & V ,
7.	17/03/2025 to 22/03/2025	Hydrocarbon: - Alkenes, Physical and chemical properties
8.	24/03/2025 to 29/03/2025	Alkenes: - Structure, isomerism, methods of preparation, physical & chemical properties, E_1 & E_2 rxn, Saytzeff & Hoffmann elimination, E.A.R, Markownikoff rule, Syn & Anti addition, oxymercuration demercuration, Hydroboration, oxidation
9.	31/03/2025 to 05/04/2025	Alkynes: - Methods, preparation, reaction, acidity, hydration, Alkylation
10.	7/04/2025 to 12/04/2025	Aromaticity, aromatic character of alicyclic C^+ , C^- with examples and heterocyclic compounds with suitable examples, EAS halogenation, nitration, Sulphonation
11.	14/04/2025 to 19/04/2025	Dienes, classification of dienes, isolated conjugated, Cumulated dienes.
12.	21/04/2025 to 26/04/2025	Structure of butadiene, chemical rxn 1,2 & 1,4 addition, E.F.R mechanism, Diels-Alder rxn
13.	28/04/2025 to 05/05/2025	Test and Revision of Full Syllabus

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Lesson plan for the Session 2024-2025

Name of Faculty — Pooja Rani

class & Section — B.Sc IIIrd [N.M + M]

Subject / Semester — Chemistry [Inorganic / organic / Physical] 6th Semester.

Week	DATE	Topics
1.	07/01/2025 to 11/01/2025	Topics organometallic chemistry, classification preparation, Bonding of Alkyl Li, Al Hg Sn brief account of metal-ethylene & carbonyl complex.
2.	13/01/2025 to 18/01/2025	Acids & BASES HASB Concepts.
3.	20/01/2025 to 25/01/2025	Bioinorganic chemistry: — Essential & trace elements, metalloporphyrins, haemoglobin, myoglobin, Nitrogen fixation, Biological of Alkali & alkaline earth metal ions. Ca^{2+}
4.	27/01/2025 to 01/02/2025	Heterocyclic compound-I Molecular orbital picture & aromatic characteristics of pyrrole, furan, thiophene, pyridine Method. of synthesis & chemical rxn, ES, mechanism of NS. Comparison of basicity of pyridine piperidine & pyrrole.
5.	03/02/2025 to 08/02/2025	Heterocyclic compound-II 5 and 6 membered heterocyclic compound, preparation of indole quinoline, isoquinoline, Fisher indol, Skraup, Bischler — Napieralski Synthesis. Mechanism of ESR of quinoline & Isoquinoline.

Week
5.

DATE
10/02/2025
to
15/02/2025

Topics
Organic Synthesis via Enolate
Synthesis of α -ketoacetate,
Acidity of α hydrogens, Alkyl-
ation of EM & EAA, CCR
Keto-enol tautomerism of EA

7.

17/02/2025
to
22/02/2025

Synthesis of Polymers:
Addition & chain growth, Free
radical vinyl polymerization
Ionic vinyl polymerization
Ziegler-Natta and vinyl
Polymers, condensation polymer
Polyester, polyamides, Phenol
formaldehydes, resins, urea
(-di) resins, epoxy resins and
polyurethanes, Natural & Synthetic
rubbers.

8.

24/02/2025
to
01/03/2025

Amino Acid, classification
Acid-base behaviour, isoelectric
point & electrophoresis
Preparation of α -amino Acid.

9.

03/03/2025
to
08/03/2025

Structure & nomenclatures of
peptides and proteins classification
of proteins Peptide & protein
structure, classical peptide
synthesis, solid phase, 1^o &
2^o structure.

10.

17/03/2025
to
22/03/2025

Spectroscopy - III Electronic
Spectrum Concepts of Potential
Energy curve for bonding &
antibonding MO, Frank-Condon
Principle, Selection rules,
Qualitative description of Sigma
and pi and [MO] their energy
& transition.

Govt. COLLEGE MATANHAIL

LESSON Plan for the Session 2024-2025

Name of faculty - Pankaj Rani
 class & Section - B.Sc. IIIrd [N.M.+M]
 Subject | Semester - Chemistry Inorganic/organic/Physical
 (6th semester)

Week	DATE	TOPICS
11.	24/03/2025 to 29/03/2025	Photochemistry, Law of Photochemistry Grothus-Draper Law, Stark-Einstein, Law Jablonski Diagram. depicting various processes occurring in excited state fluorescence phosphorescence, non radiative process, IR, ISC, QY, Photo-Sensitized rxn- ETP (examples)
12.	31/03/2025 to 05/04/2025	Solutions (Dilute solutions. Ideal & non-ideal solution. methods of expressing conc ⁿ of solutions, activity & activity coefficient. colligative properties
13.	07/04/2025 to 12/04/2025	Raoult's Law, relative lowering of vapour pressure, MWD. O.P & its measurement, determination of molecular weight of osmotic pressure. Elevation of BP and depression of Freezing point.
14.	14/04/2025 to 19/04/2025	Thermodynamic derivation of relation b/w molecular weight & elevation in BP & DFP. (depression of Freezing point.

Week
15

DATE
21/04/2025
to
26/04/2025

TOPICS
Experimental method
of determining various
colligative properties
Abnormal molar mass
degree of dissociation
and association of solutes
Revision

16.

28/04/2025
to
05/05/2025

Revision & test of
full syllabus.

Govt. COLLEGE MATANHAIL

Lesson Plan for the Session 2024-2025

Name of Faculty — Anki Rani

Class & Section — B.Sc IInd [N.M+M]

Subject / Semester — Chemistry [Inorganic + Organic + Physical]

Week	DATE	Topics
1.	07/01/2025 to 11/01/2025	Chemistry of f-Block Elements Lanthanides - Electronic Structure, oxidation states magnetic properties, complex formation, colour, ionic radii
2.	13/01/2025 to 18/01/2025	Lanthide contraction, occurrence Separation of Lanthanides, Lanthanide compounds.
3.	20/01/2025 to 25/01/2025	Actinides: General characteristics of actinides, chemistry of Separ- ation of NP, Pu, and Am from uranium; tr
4.	27/01/2025 to 01/02/2025	Transuranic Elements, comparison of properties of Lanthanides & actinides with transition Elements
5.	03/02/2025 to 08/02/2025	Theory of Qualitative & Quantitative Analysis of various groups of Basic and acidic Radicals, chemistry of identification of Acid radicals in typical combination.
6.	10/02/2025 to 15/02/2025	Chemistry of interference of acid radicals, including their removal of the analysis of basic radicals, common ion effect Solubility Product theory of precipitation

Week	DATE	TOPICS
7.	17/02/2025 to 22/02/2025	co precipitation, post precipitation, purification
8.	17/02/2025 to 22/02/2025	Thermodynamic - II, 2nd Law of thermodynamic, need of the law, different statements of the law, Carnot's cycles & its efficiency, theorem,
9.	24/02/2025 to 01/03/2025	Thermodynamic scale of temperature, concept of entropy, Criteria of Spontaneity Entropy change in gases & mixing of gases.
10.	03/03/2025 to 08/03/2025	Thermodynamic - IV Thermodynamic IV, nearest heat theorem, statement of concept of residual entropy, G, H, F, A Helmholtz Function A spontaneity their advantage over Entropy change
11.	17/03/2025 to 22/03/2025	Electrochemistry - III Electrolytic & Galvanic cells, Reversible & irreversible cells, representation of Electrochemical cells. EMF / calculation of cell rxn $\Delta G, \Delta H, K$
12.	24/03/2025 to 29/03/2025	Types of Electrodes. Electrochemistry - IV concentration cell with & without transference, liquid Junction potential, Application EMF HE, OE, GE by Potentiometric method
13.	31/03/2025 to 05/03/2025	IR [Infrared IR absorption Spectroscopy Application of IR Spectroscopy Interpretation of IR spectra of Simple organic compounds Fingerprint

Govt. COLLEGE MATANHAIL

Lesson plan for the Session 2024-2025

Name of Faculty — Pooja Rani

Class & Section — B.Sc IInd [N.M + M]

Subject | Semester — Chemistry [Organic] 4th Semester

Week	DATE	TOPICS
14.	07/04/2025 to 12/04/2025	Structure & nomenclature of amines, Physical properties, Separation of 1 ^o , 2 ^o , 3 ^o amines Preparation of alkyl & aryl amines, Gabriel-phthalimide rxn, Hofmann bromamide rxn, EAS rxn.
15.	14/04/2025 to 19/04/2025	Diazonium Salts, Mechanism Structure, Replacement of diazo group, H, OH, F, Cl, Br, I, NO ₂ & CN, reduction rxn, Coupling rxn, Aldehyde rxn, Synthesis of Aldehyde, properties Mechanism of rxn
16.	21/04/2025 to 19/04/2025	Ketonic rxn, & aldehydic rxn, Perkin, Knoevenagel Condensations, Mannich rxn, Wittig rxn, Cannizzaro rxn, MPV, Clemmensen, Wolff-Kishner, LiAlH ₄ & NaBH ₄ reduction, rxn. benzoin.
17.	28/04/2025 to 05/05/2025	Revision & test of syllabus

Pooja Rani

Govt. College Matanhail

LESSON-PLAN

Subject: English (DSC) British Poetry (Chaucer to Donne)

Class: BA- I (Odd Sem.) Session: 2024-25

Sr No	Months & Weeks	Topic
1	July 4th	Unit-I Types of poetry and Related literary terms: Lyric, Sonnet, Blank Verse, ballad.
2	August 1st	Unit-I Types of poetry and Related literary terms: Epic Allegri elegy hymn.
3	August 2nd	Unit-I Types of poetry and Related literary terms: Parody, Satire, Ode, Dramatic Monologue.
4	August 3rd	Unit-I Types of poetry and Related literary terms: Figures of Speech, Tone, Sound, Language.
5	August 4th	Unit-I Types of poetry and Related literary terms: Diction, Myth, Symbols, Imagery.
6	September 1st	Unit-II Introduction to Jeffrey Chaucer and his works.
7	September 2nd	Unit-II Introduction to Canterbury Tales.
8	September 3rd	Unit-II Introduction to Prologue Lines 01 to 103.
9	September 4th	Unit-II Discussion on various questions.
10	October 1st	Unit-III Introduction to Spenser and Amoretti and "New yeare forth looking out of lanus gate" (IV)
11	October 2nd	Unit-III "Fayre eyes, the myrrour of my mazed hart" (VII) and "The merry Cuckow, messenger of Spring" (XIX)
12	October 3rd	Unit-III Introduction to William Shakespeare and his works and detailed explanation of various aspects of Sonnet 18 "Shall I compare thee to a

		summer's day?"
13	October 4th	Unit-III Detailed explanation of various aspects of Sonnet 116: Let me not to the marriage of true minds and Sonnet 130 "My mistress' eyes are nothing like the sun;."
14	November 1st	Unit-IV Introduction to John Donne and his works Detailed explanation of various aspects of "The Good Morrow"
15	November 2nd	Unit-IV Detailed explanation of various aspects of "The Sun Rising"
16	November 3rd	Unit-IV Detailed explanation of various aspects of "Batter My Heart"
17	November 4th	Collection of Assignments and discussion on individual aspects.

Govt. College Matanhail

LESSON-PLAN

Subject: English (Ability Enhancement Course)

Class: BA- I (Odd Sem.) Session: 2024-25

Sr. No.	Month & Week	Topic
1	July 4th	Unit-I Introduction to Phonetics i.. The role of sounds in communication and phonetic symbols of English language (as in <i>Oxford Advanced Learner's Dictionary</i> .)
2	August 1st	ii. Classification in the description of speech sounds.
3	August 2nd	iii. Distinction between consonants and vowels. iv. Semivowels and diphthongs.
4	August 3rd	Transcription (of commonly used one or two syllable words)
5	August 4th	Unit-II Spotting and Correcting the errors in the use of : *Parts of speech - noun, pronoun, verb, article, adverb, adjective, preposition, conjunction, and interjection.
6	September 1st	Unit-II Spotting and Correcting the errors in the use of : *Punctuation.
7	September 2nd	Unit-III Spotting and Correcting the errors in the use of : *Subject -Verb agreement.
8	September 3rd	Unit-III Spotting and Correcting the errors in the use of : *Active/Passive
9	September 4th	Unit-III Spotting and Correcting the errors in the use of : *Narration
10	October 1st	Unit-IV Basics of reading skills and reading strategies: * Skimming
11	October 2nd	Unit-IV Basics of reading skills and reading strategies: * Scanning

12	October 3rd	Unit-IV Basics of reading skills and reading strategies: * Intensive Reading
13	October 4th	Unit-IV Basics of reading skills and reading strategies: * Extensive Reading
14	November 1st	Unit-IV Basics of reading skills and reading strategies: * Barriers of Effective Reading
15	November 2nd	Unit-IV Basics of reading skills and reading strategies: * Barriers of Effective Reading and steps to overcome them.
16	November 3rd	Quick revision.
17	November 4th	Collection of Assignments and discussion on individual aspects.

Govt. College Matanhail

LESSON-PLAN

Subject: English (Minor Course- English Prose and Poetry-1)

Class: BA- I (Odd Sem.) Session: 2024-25

Sr. No.	Month & Week	Topic
1	July 4th	Unit-I Prose 1. Education Provides a solid Foundation by APJ Abdul Kalam
2	August 1st	2. Toasted English by RK Narayan (Initiations)
3	August 2nd	3. In Sahyadri Hills, A Lesson in Humility by Sudha Murty.
4	August 3rd	4. My greatest Olympic Prize/ Jesse Owens.
5	August 4th	Unit-II Poetry 1. The quality of mercy / William Shakespeare.
6	September 1st	2. Woman work, Maya Angelou.
7	September 2nd	3. Say Not, the Struggle, Not Availeth / Authur Hugh Clough
8	September 3rd	4. Success is Counted Sweetest / Emily Dickinson
9	September 4th	Unit-III Grammar 1. Articles
10	October 1st	2. Preposition
11	October 2nd	3. Types of Sentences
12	October 3rd	4. Transformation and Synthesis of Sentences
13	October 4th	Unit-IV 1. Phrasal Verbs
14	November 1st	2. Concord

15	November 2nd	3. Determiners
16	November 3rd	4. Commonly Confused Words
17	November 4th	Collection of Assignments and discussion on individual aspects.

Govt. College Matanhail

LESSON-PLAN

Subject: English (Minor Course- English Prose and Poetry-1)

Class: BA- I (Odd Sem.) Session: 2024-25

Sr. No.	Month & Week	Topic
1	July 4th	Unit-I Prose 5. Education Provides a solid Foundation by APJ Abdul Kalam
2	August 1st	6. Toasted English by RK Narayan (Initiations)
3	August 2nd	7. In Sahyadri Hills, A Lesson in Humility by Sudha Murty.
4	August 3rd	8. My greatest Olympic Prize/ Jesse Owens.
5	August 4th	Unit-II Poetry 5. The quality of mercy / William Shakespeare.
6	September 1st	6. Woman work, Maya Angelou.
7	September 2nd	7. Say Not, the Struggle, Not Availeth / Authur Hugh Clough
8	September 3rd	8. Success is Counted Sweetest / Emily Dickinson
9	September 4th	Unit-III Grammar 5. Articles
10	October 1st	6. Preposition
11	October 2nd	7. Types of Sentences
12	October 3rd	8. Transformation and Synthesis of Sentences
13	October 4th	Unit-IV 5. Phrasal Verbs

14	November 1st	6. Concord
15	November 2nd	7. Determiners
16	November 3rd	8. Commonly Confused Words
17	November 4th	Collection of Assignments and discussion on individual aspects.

Govt. College Matanhail

LESSON-PLAN Session: 2023

Subject: English

Class: BA II (odd sem.)

Sr No	Months & Weeks	Topic
1	July 4th	Introduction to Poetry and explanation of different poetic forms and devices
2	August 1st	Poetry and its forms
3	August 2nd	Reading and analysis of Sonnet XVIII by William Shakespeare
4	August 3rd	Critical analysis of the usage of different poetic devices in the sonnet Discussion of question answers and explanation of literary devices Grammar: Prefixes and Suffixes
5	August 4th	Reading and critical analysis of Know Then Thyself by Alexander Pope Discussion of question answers Grammar: Introduction to Verb Patterns
6	September 1st	Reading and critical analysis of <i>Elegy Written in a Country Churchyard</i> by Thomas Gray Discussion on the mood and context of the poem Grammar: Illustration of Verb Patterns
7	September 2nd	Reading and critical analysis of <i>Elegy Written in a Country Churchyard</i> by Thomas Gray Discussion on the mood and context of the poem Grammar: Exercise and Practice of Verb Patterns

8	September 3rd	Reading and critical analysis of <i>The World is Too Much with Us</i> by William Wordsworth and <i>Ode on a Grecian Urn</i> by John Keats. Discussion of question answers
9	September 4th	Reading and critical analysis of <i>The World is Too Much with Us</i> by William Wordsworth and <i>Ode on a Grecian Urn</i> by John Keats. Discussion of question answers Grammar: Introduction to Clauses and its different types
10	October 1st	Reading and critical analysis of <i>My Last Duchess</i> by Robert Browning Discussion on his style and poetic devices
11	October 2nd	Discussion of question answers Grammar: Illustration and exercise of Clauses Grammar: Prepositions I
12	October 3rd	Reading and critical analysis of <i>When You are Old</i> by W.B. Yeats Discussion of question answers Grammar: Introduction to Non-Finites: Gerund, its rules, and exercise
13	October 4th	Reading and critical analysis of <i>Where the Mind is Without Fear</i> by Rabindranath Tagore Discussion of question answers and poetic devices and style Grammar: Introduction and illustration of Non-Finites: Infinitive, its rules, and exercise
14	November 1st	Reading and critical analysis of <i>The Bangle Sellers</i> by Sarojini Naidu Discussion of question answers and poetic devices and Style Grammar: Practice of Non-Finites
15	November 2nd	Reading and critical analysis of <i>Another Woman</i> by Imtiaz Dharker Discussion of question answers and poetic devices and style
16	November 3rd	Grammar: Practice of Non-Finites
17	November 4th	Revision of Text - Book & Grammar Tests and submission of assignments

8	September 3rd	Reading and critical analysis of <i>The World is Too Much with Us</i> by William Wordsworth and <i>Ode on a Grecian Urn</i> by John Keats. Discussion of question answers
9	September 4th	Reading and critical analysis of <i>The World is Too Much with Us</i> by William Wordsworth and <i>Ode on a Grecian Urn</i> by John Keats. Discussion of question answers Grammar: Introduction to Clauses and its different types
10	October 1st	Reading and critical analysis of <i>My Last Duchess</i> by Robert Browning Discussion on his style and poetic devices
11	October 2nd	Discussion of question answers Grammar: Illustration and exercise of Clauses Grammar: Prepositions I
12	October 3rd	Reading and critical analysis of <i>When You are Old</i> by W.B. Yeats Discussion of question answers Grammar: Introduction to Non-Finites: Gerund, its rules, and exercise
13	October 4th	Reading and critical analysis of <i>Where the Mind is Without Fear</i> by Rabindranath Tagore Discussion of question answers and poetic devices and style Grammar: Introduction and illustration of Non-Finites: Infinitive, its rules, and exercise
14	November 1st	Reading and critical analysis of <i>The Bangle Sellers</i> by Sarojini Naidu Discussion of question answers and poetic devices and Style Grammar: Practice of Non-Finites
15	November 2nd	Reading and critical analysis of <i>Another Woman</i> by Imtiaz Dharker Discussion of question answers and poetic devices and style
16	November 3rd	Grammar: Practice of Non-Finites
17	November 4th	Revision of Text - Book & Grammar Tests and submission of assignments

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LESSON-PLAN Session: 2024-25

Subject: English (Novel: Kanthapura)

Class: BA III (odd sem.)

Sr No	Months & Weeks	Topic
1	July 4th	Introduction to Novel,
2	August 1st	Novel and its forms
3	August 2nd	Indian English Novel, Introduction to the novel Kanthapura
4	August 3rd	Reading and critical appreciation of chapter 1 Discussion of question answers
5	August 4th	Reading and critical appreciation of chapter 2&3 Discussion of question answers Sentence and its types
6	September 1st	Reading and critical appreciation of chapter 4&5 Discussion of question answers Sentence and its types
7	September 2nd	Reading and critical appreciation of chapter 6&7 Discussion of question answers Composition: Developing Hints into a paragraph and a story
8	September 3rd	Reading and critical appreciation of chapter 8&9 Discussion of question answers Composition: Developing Hints into a paragraph and a story
9	September 4th	Reading and critical appreciation of chapter 10&11 Discussion of question answers Practice of Sentence and its types

10	October 1st	Reading and critical appreciation of chapter 12&13 Discussion of question answers Practice of composition
11	October 2nd	Reading and critical appreciation of chapter 14&15 Discussion of question answers
12	October 3rd	Reading and critical appreciation of chapter 16&17 Discussion of question answers
13	October 4th	Reading and critical appreciation of chapter 18&19 Discussion of question answers
14	November 1st	Practice of composition
15	November 2nd	Reading and critical analysis of Another Woman by Imtiaz Dharker Discussion of question answers and poetic devices and style
16	November 3rd	Grammar: Practice of Non-Finites
17	November 4th	Revision of Text - Book & Grammar Tests and submission of assignments

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LESSON-PLAN

Subject: English (Ability Enhancement Course)

Class: BA- I (Even Sem.) Session: 2024-25

Sr. No.	Month & Week	Topic
1	February 1st	Unit-I Syllable and Stress Syllable: role of stress, primary stress and secondary stress
2	February 2nd	(Marking primary stress on commonly used words.)
3	February 3rd	Transcription (of commonly used Multisyllabic words)
4	February 4th	Intonation — concept and uses of rising tone, falling tone, rising falling- tone, falling- rising tone
5	March 1st	Unit-II Spotting and Correcting the errors in the use of : Clauses: Noun ,Adjective, Adverbial and Conditional
6	March 2nd	Verbs: Finite/ Non-finite, Infinitive, Gerund, Participles.
7	March 3rd	Modals
8	March 4th	Tense
9	April 1st	Unit-III Introduction to Writing Skills and Mechanics of Writing.
10	April 2nd	Unit-III Barriers to effective writing and steps to overcome them.
11	April 3rd	Unit-IV Paragraph Writing : Descriptive
12	April 4th	Unit-IV Paragraph Writing : Argumentative and Expository
13	April 5th	Unit-IV

		• Dialogue Writing
14	May 1st	Unit-IV • Letter Writing
15	May 2nd	Unit-IV Email Writing
16	May 3rd	Unit-IV Blog Writing
17	May 4th	Collection of Assignments and discussion on individual aspects.

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LESSON-PLAN

Class- BA III 6th Sem.

Subject: English

Paper: EN06

Session: 2024-25

Sr. No.	Month & Week	Topic
1	JAN 2	• Introduction to William Shakespeare and his works.
2	JAN 3	• Introduction to The Merchant of Venice and its characters.
3	JAN 4	• Scene-wise detailed discussion of the play
4	JAN 5	• Explanation of important paragraphs from the text.
5	FEB 1	• Discussion on important examination style short answer type questions based on the play.
6	FEB 2	• Discussion on important examination style long answer type questions based on the play.
7	FEB 3	• Precis Writing
8	FEB 4	• Summarizing / Abstracting / Paraphrasing
9	MARCH 1	• Paragraph Writing : Descriptive
10	MARCH 2	• Paragraph Writing : Argumentative and Expository

11	MARCH 3	• Dialogue Writing
12	MARCH 4	• Letter Writing
13	MARCH 5	Revision & Assignments