

Subject Lesson Plan (Session 2023-24)

Name of the Teacher... SHYAM VASHISHTHA Subject... Commerce
Paper... Business Communication Skills Class... B.Com.I
Section... - Semester- 2nd/4th/6th

February-2024 - Unit-I

- Basics of Communication
- Seven c's of E-Communication
- Barriers to Communication
- Ethical Context of Communication

March-2024 - Unit-II

- Letter writing, Email Communication, Bad News Message
- Persuasive Communication, memo, notice, Agenda etc.

Unit-III - Report writing, Types of Business Reports

- Structure of Reports- Long & Short
- Abstracts, Summaries, Proposals.

April-2024 - Unit-IV

- Reading Skills
- Listening Skills, Note making
- Body Language, Gestures.
- Seminar, Group Discussions.

May-2024

- Revision, Quiz, Contest etc.
- Class Seminar

[Signature]
24.01.24

Subject Lesson Plan (Session 2023-24)

Name of the Teacher... SHYAM VASHISHTA Subject... Commerce
Paper... Business Ethics Class... B.Com. II
Section... — Semester- 2nd/4th/6th

February-2024 Unit-I

- Business Ethics Introduction
- Nature & Importance of B.E.
- Linkage of the Stakeholders Relationship
- CSR & Corporate Governance

March-2024 Unit-II

- Emerging Business Ethical Issues, Ethical Decision Making and Leadership.
- Individual Values and Philosophies
- Corporate Values and Cultures
- Ethical Culture and Relationship

April-2024 Unit III & IV

- Effective Ethical Programme - Audit Ethical Programme.
- Business Ethics in Global Economy
- Business Sustainability - Ethical & Social Responsibility
- Techniques of Moral Reasoning and Argumentation.

May-2024

- Revision
- Group Discussions
- Class Seminars.

Shyam Vashista
24.01.24

Subject Lesson Plan (Session 2023-24)

Name of the Teacher... Shyam Unnikrishnan Subject... Commerce
Paper... Cost Accounting - II Class... B. Com. III
Section... — Semester- 2nd/4th/6th

February-2024 Unit-I

- Process Costing - meaning, Uses, Preparation of Accounts, Normal & Abnormal Wastage, Joint & By-Products, Treatment of opening stock, Abnormal Efficiencies.
- Inter Process Profits etc.

March-2024 Unit-II

- Contract Costing: Main Features, Accounts
- Escalation Clause
- Contracts near to completion
- Cost Plus method
- Batch Costing
- Class Tests

April-2024 Unit-III & IV

- Budgetary Control- meaning, Tools, B.C. system. Forecasts & Budgets, Classification, Fixed & Flexible Budgets, Performance Budgeting, Zero Base Budgeting
- Marginal & Absorption Costing.
- Revision

May-2024

- Revision
- Group Discussions
- Class Seminars etc.

Shyam Unnikrishnan
24.01.24

Subject Lesson Plan (Session 2023-24)

Name of the Teacher... SHYAM VANDANA Subject... Commerce
Paper... Financial Market Operations Class... B.Com. III
Section... — Semester- 2nd/4th/6th ✓

February-2024 Unit-I

- Indian Money Market, Features, Functions, Instruments.
- Components of m.m.
- Recent Trends
- Class Test

March-2024 Unit-II

- SEBI- Fundamentals, Powers, Objectives
- Scope and functions of SEBI
- Investors Protection, Grievance Cell in Stock Exchange
- Company Law Board
- Press Remedy Through Courts.

April-2024 Unit-III & IV

- Fundamentals of Stock Exchange.
- Financial Services- Types, Merchant Banking
- SEBI Guidelines
- Role of FII^s, Policy measures
- Products & Services of - IFCI, IDBI, IIBI, SIDBI, EXIM, NABARD & ICICI.

May-2024

- Revision
- Class Tests
- Group Discussions
- Class Seminars etc.

[Signature]
24.01.24

Subject Lesson Plan (Session 2023-24)

Name of the Teacher...Yashpal Mehta..

Subject...Economics.....

Paper...Micro Economics..II

Class...B.A.Ist.....

Section.....

Semester- 2nd/4th/6th

February-2024

Market structure, - Characteristics and assumptions.

Price determination & Equilibrium of firm and industry under Perfect Competition.

Equilibrium of the Monopoly firm in the short run & long run.

March-2024

Monopolistic Competition - Characteristics, Equilibrium of the Monopolistic Competitive firm in the short run & long run. Group Equilibrium, Selling Costs & Product Differentiation.

April-2024

Oligopoly - characteristics, emergence of oligopoly, Cournot's Model, Bertrand's Model, Price Rigidity, Price Leadership, Collusive and non-collusive oligopoly.

May-2024

Theory of the factor pricing - Marginal Theory of the Distribution, Ricardian and Modern theory of the Rent. Occasi Rent, Net and gross interest, Theories of Interest. Theories of Profit.

Subject Lesson Plan (Session 2023-24)

Name of the Teacher Dr. Neelam
Paper Introduction to Political Theory
Section 2nd UPDL 201

Subject Political Science
Class B.A. 1st Sem.
Semester 2nd / 4th / 6th

February-2024

Unit 1- Politics meaning and dimensions

Political Theory : meaning, Nature, Scope and its Relevance.
Decline and Resurgence of Political Theory.

March-2024

Unit 2:-

State : definition, Elements, its relations with
Other organisations.

Theories of the state : Socialist, Liberal and
neo-liberal

April-2024

Unit 3:-

Liberty : meaning, Types and civil and political liberty.
Equality : meaning, Types and its relationship with
Liberty.

Unit 4:- Democracy : meaning and models of
Democracy.

May-2024

Unit 4:- citizenship, civil society, Rights and
Gender.

Revision -

Prepared by Dr. Neelam 25.1.2024
Asso. Prof. of Pol. Sc.

Subject Lesson Plan (Session 2023-24)

Name of the Teacher... Ashwani Kumar Subject... History
Paper... History of India from 300 AD to 1200 AD Class... B.A
Section... 2, 23, 24 Semester- 2nd/4th/6th 2nd sem

February-2024

Unit-I

The Rise and growth of the Guptas

Harsha and his Times

South India

March-2024

Unit-II

Towards the Early Medieval : change in society

Polity, Economy and culture

Evolution of Political structure of Rashtrakutas, Pala and Parthars

April-2024

Unit-III

Emergence of Rajput states in Northern India

Invasion of Arabs in Sindh

Struggle for power in Northern India and foundation of Turk-Afghan's power

May-2024

Unit -IV Maps

Extents of Harsha Empires

Urban Centres in Ancient India

Extent of Samuderguptas Empires

Extent of Chanderguptas-II Empire,

Ashwani
24/7/2024



Subject Lesson Plan (Session 2023-24)

Name of the Teacher Dr. Joginder K. Subject SANSKRIT
Paper Prose (गद्यभाग) Class B.A. Ist Ind. sem
Section 2023-24 Semester 2nd/4th/6th

February-2024

यूनिट-1 (क) सरल हिन्दी वाक्यों का संस्कृत अनुवाद ।
(ख) कठस्थ श्लोक

March-2024

यूनिट-2
द्वन्द्ववाक्यम्
शुक्ला सोपदेशः

April-2024

यूनिट-3
शब्दरूप व वाच्यरूप

May-2024

यूनिट-4
छन्द व दोहरी

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Lesson Plan Session 2023-2024 (Even Semester)

Name of the Teacher: Dr. Shailja Sharma **Subject :** Psychology

Class: B A IInd Semester

Paper: Social Psychology (20UPSY201)

Feb 2024	Introduction: Brief History of Social Psychology (Special emphasis on India), Scope of Social Psychology. Levels of social behavior, Approaches towards understanding social behavior Practical: Sociometry
Mar 2024	Socialization: Meaning, Agencies, Class test I Person perception: Attribution-theories, biases and errors Attitudes: formation, changes and resistance to change, Assignment Practical: Measurement of Attitude, Observation
Apr 2024	Interpersonal attraction, Prosocial behavior, Aggression-Nature, types and associated factors. Class test II Group dynamics: Groups: Key aspects. Practical: Prejudice Scale
May 2024	Cooperation and Conflict and group decision making. , Assignment Leadership- meaning , need and types. Characteristics of a leader Practical: Leadership Styles

Subject Lesson Plan (Session 2023-24)

Name of the Teacher... Ashwani Kumar Subject... History
Paper... History of India 1707 to 1950 Class... B.A.
Section... 2023-24 Semester- 2nd/4th/6th 4th sem

February-2024 Unit - I

Interpreting the 18th century

Emergence of Independent states and establishment of colonial power

Expansion and Consolidation of Colonial power upto 1857

Popular Regional resistance before 1857

Revolution of 1857, Causes, nature and aftermath

March-2024

Unit - II

Colonial economy

Socio-religious movement in 19th century

April-2024

Unit - III

Emergence and Growth of Nationalism

Indian national freedom movement

Communalism

Advent of Freedom

May-2024

Unit - IV Maps

Important places of 1857 revolt

Centers of Socio-religious movements

Important places of Revolutionary movements

Places associated with significant sessions of Indian National Congress.

Ashwani
24/1/2024



Subject Lesson Plan (Session 2023-24)

Name of the Teacher: Vashpal Mehta

Subject: Economics

Paper: Macroeconomics - II

Class: BA Ind

Section: —

Semester: 2nd / 4th / 6th

February-2024

Money Demand & Money Supply in a Modern economy -
Concepts of Money, functions of Money Demand, Quantity,
Theory of money - Fisher, Cambridge & Keynesian Theory,
Liquidity Preference Theory and Rate of Interest.

March-2024

Inflation and Macroeconomic Policies - Concept and types
of inflation, Phillips Curve in the short and long run.
Fiscal Policy - Impact of Changes in Govt. Expenditure & Taxes
Monetary Policy and its instruments

April-2024

IS-LM Analysis - Derivation of IS & LM functions. Shifts in
AD Curve.
Trade Cycle Theory - Samuelson & Hicks models of trade
Cycle.

May-2024

Balance of Payment - Meaning, Current and Capital Accounts
Exchange Rate - Foreign Exchange, Determination of Exchange
Rate.

Subject Lesson Plan (Session 2023-24)

Name of the Teacher... Dr. Neelam Subject... Political Science
Paper... Introduction to International Relations Class... B.A. IInd Sem 4th
Section... 20UPOL401 Semester- 2023/24

February-2024

Unit 1

International Relations : Meaning, Nature, Scope and its evolution as a discipline.

Approaches to International Relations : Liberalism, classical Realism and Neo Realism.

March-2024

Unit 2

Cold war and Post cold war Era : Origin and phases, détente, End of cold war and collapse of the Soviet Union

Post cold war Era and Emerging centers of power.

April-2024

Unit 3

India's foreign policy : Basic determinants

India's policy of Non Alignment : India's An Emerging power

Unit 4

Emerging challenges : Terrorism, climate change

May-2024

Unit 4

Global warming, Globalization and its challenges.

Revision —

Dr. Neelam 25.1.2024
Dr. Neelam Asso. Prof of Pol. Sc.



Psychology Lesson Plan Session 2023-2024 (Even Semester)

Name of the Teacher: Dr. Shailja Sharma

Class: B A IVth Semester

Paper: Statistical Method and Psychological Research (CC)

Code:20UPSY401

Feb 2024	Introduction: Scales of measurement, Frequency distribution, Graphical Presentation of Data Measures of Central Tendency-Mean(Properties and Computation) Revision test Practical: General Introduction to Excel
Mar 2024	Measures of Central Tendency- Mean (contd.)Median , Mode (Properties and Computation) Class Test , Correlation: Pearson method Introduction to Psychological testing-Characteristics and types of tests. Assignment Practical: Data entry by Excel, Computation of central Tendencies by Excel,
Apr 2024	Reliability and Validity, Properties of Normal Probability Curve (NPC) Norms and Standardization Practical: Computation of Correlation by Excel, GHQ
May 2024	Qualitative methods: Interview, Observation and Case study Revision and class test Practical: Observation Method

Subject Lesson Plan (Session 2023-24)

Name of the Teacher... Dr. Joginder k Subject... SANSKRIT
Paper... Grammar Class... B.A. IV sem
Section... Semester- 2nd/4th/6th

February-2024

यूनिट- I

श्रीमद्भगवद्गीता (द्वितीय अध्याय)

March-2024

यूनिट- 2

रघुवंश महाकाव्यम् (द्वितीय सर्ग)

April-2024

यूनिट- 3

व्याकरण - प्रत्यय और समास

May-2024

यूनिट- 4

प्रवाहसूत्र व पत्र-लेखन

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Subject Lesson Plan (Session 2023-24)

Name of the Teacher... Dr Joginder k

Subject... S.A.N.S.K.R.I.T.

Paper... Literature - II

Class... B.A. 6th sem

Section... 2023-24

Semester- 2nd/4th/6th

February-2024

यूनिट-1

संस्कृत वाच्यवहार साहस्री

March-2024

यूनिट-2

अभिज्ञानशाकुन्तलम् अंक 5 से 7

April-2024

यूनिट-3

संस्कृत साहित्य का इतिहास

May-2024

May-2024

यूनिट-4

निबन्ध व अलंकार

[Signature]

Subject Lesson Plan (Session 2023-24)

Name of the Teacher... Varsha Mehra
Paper... Development Economics
Section... —

Subject... Economics
Class... BA Tillsol
Semester- 2nd/4th/6th

February-2024

Economic development and growth.
An Underdeveloped economy: Meaning & features
Determinants of Economic Development
Measurement of Economic development.

March-2024

Obstacles to Economic development
Rostow's theory of stages of growth
Capital formation and economic development

April-2024

Solow Model of growth
Endogenous growth Model
Theory of Balanced growth
Theory of Unbalanced growth

May-2024

Lewis Model of Unlimited Supply of Labour
Leibenstein's Model.
Economic reforms and policy in India

Subject Lesson Plan (Session 2023-24)

Name of the Teacher...Dr. Neelam
Paper...Indian Foreign Policy
Section...20V POL 602

Subject...Political Science
Class...B.A. IVth Sem 6th
Semester...2nd/1st/16th

February-2024

Unit 1

Meaning of Foreign Policy : History, Principles and objectives, Legacies of the freedom struggle, Indian Foreign Policy in making : Domestic Background and International Environment.

March-2024

Unit 2

Policy of Non-Alignment : Meaning, features and Bases. Role of India in Non-Alignment Movement, India and the Third world.

Unit 3

Indian Foreign Policy: Achievements and contemporary challenges.

April-2024

Unit 3

Indian Ocean : Regional co-operation and zone of Peace.

Unit 4

India's Security and Indian Foreign policy — Domestic, Regional,

May-2024

Unit 4

and International Environment.

India and the United Nations.

Revision — — —

Prep —
Dr. Neelam 25.1.2024
Asso. Prof. of Pol. Sc.



Subject Lesson Plan Even Session 2023-2024.

Name of the Teacher Sheela Subject Psychology
Paper Counselling Psychology Class & Section B.A. VI Sem
Code : 20 UPSY 601

Feb : 2024

- Introduction : Meaning & goals : counselling process and relationship : Counsellor Effectiveness, Counselling in the indian context.
- Counselling Need Scale

Mar : 2024

- Approaches : overview of approaches to counselling: Psychodynamic, Behavioural, Person-Centered and cognitive-behavioral, Adjustment, Test-I

Apr : 2024

- Techniques : Play, Art, Drama, Music, Dance, Yoga and Meditation, Family Environment, 16 PF / NEO-FFI

May : 2024

- Application : Family Counselling, School and career Counselling, Personal counselling
- COHS, Revision of complete syllabus, Class Test II and assignment

Sheela
Signature of Teacher

Subject Lesson Plan (Session 2023-24)

Name of the Teacher... Ashwani Kumar Subject... History
Paper... Modern World Class... B.A.
Section... 2023-24 Semester- 2nd/4th/6th 6th sem

February-2024 Unit - I

Economic development - I

(a) Mercantilism (b) Agriculture Revolution (c) Technological Rev.

Economic development - II

(a) Capitalism its stages and development
(b) Imperialism - its theories and development

March-2024 Unit - II

Political Development - I

(a) French Revolution (b) Liberalism in Britain (c) Nationalism
in France, Germany, South Africa and Italy

Political Development - II

(a) Russian Revolution (b) Fascism in Italy (c) Nazism in Germany

April-2024 Unit - III

Colonialism

(a) Stages of Colonialism in India (b) China and West (c) Japan
and West

World in the Crisis

(a) First world war and peace settlement (b) Second World war

Non - Alignment Movement

(a) Origin (b) Development

May-2024 Unit IV Maps

Area of Agriculture Revolution

Europe on the eve of French Revolution

Unification of Italy

Unification of Germany

Ashwani
24/1/24

Subject Lesson Plan (Session 2023-24)

Name of the Teacher... SHYAM VASISHTHA Subject... Communc
Paper... Business Communication Skills Class... B.Com-I
Section... - Semester- 2nd/4th/6th

February-2024 - Unit-I

- Basics of Communication
- Seven c's of E-Communication
- Barriers to Communications
- Ethical Context of Communication

March-2024 - Unit-II

- Letter writing, Email Communication, Bad News Message
- Persuasive Communication, Memo, Notice, Agenda etc.

Unit-III - Report writing, Types of Business Reports

- Structure of Reports- Long & Short
- Abstracts, Summaries, Proposals.

April-2024 - Unit-IV

- Reading Skills
- Listening Skills, Note making
- Body Language, Gestures.
- Seminar, Group Discussions.

May-2024

- Revision, Quiz, Contest etc.
- Class Seminar

[Signature]
24.01.24

Subject Lesson Plan (Session 2023-24)

Name of the Teacher... Yashdeep Chhetri
Paper... Ind. Economy & Business Environment
Section.....

Subject... Economics
Class... B. Com. Ist.
Semester- 2nd/4th/6th

February-2024

Introduction to Business Environment - meaning & Importance
Environmental Analysis: Objectives, Process, Unitarian.
SWOT analysis,

March-2024

Dimensions of Business Environment: NITI Aayog,
Economic Environment
Balance of Trade & Balance of Payments

April-2024

Problems of growth: Unemployment, Inflation, Industrial
Sickness, Imbalances.
Industry Policy: Meaning, Objectives, History

May-2024

Economic Policies: Monetary Policy, Fiscal Policy, LG
International Economic Institutions: IMF, WTO,
World Bank.

Subject Lesson Plan (Session 2023-24)

Name of the Teacher... SHYAM VASHISTHA Subject... Commerce
Paper... Business Ethics Class... B.Com. II
Section... — Semester- 2nd/4th/6th

February-2024 Unit-I

- Business Ethics Introduction
- Nature & Importance of B.E.
- Linkage of the stakeholders relationship
- CSR & Corporate Governance

March-2024 Unit-II

- Emerging Business Ethical Issues, Ethical Decision making and Leadership.
- Individual values and Philosophies
- Corporate values and cultures
- Ethical culture and relationship

April-2024 Unit III & IV

- Effective Ethical Programme - Audit Ethical Programme.
- Business Ethics in Global Economy
- Business Sustainability - Ethical & Social Responsibility
- Techniques of moral Reasoning and Argumentation.

May-2024

- Revision
- Group Discussions
- Class Seminars.

Shyam Vashistha
24.01.24

Subject Lesson Plan (Session 2023-24)

Name of the Teacher... SHYAM VASHISHTA Subject... Commerce
Paper... Cost Accounting - II Class... B. Com. III
Section... — Semester- 2nd/4th/6th

February-2024 Unit-I

- Process Costing - meaning, Uses, Apportionment of Accounts, Normal & Abnormal Wastage, Joint & By-Products, Treatment of opening stock, Abnormal Effectiveness.
- Inter Process Profits etc.

March-2024 Unit-II

- Contract Costing: Main Features, Accounts
- Escalation Clause
- Contracts near to completion
- Cost Plus Method
- Batch Costing
- Class Tests

April-2024 Unit-III & IV

- Budgetary Control- meaning, Tools, B.C. systems. Forecasts & Budgets, Classification, Fixed & Flexible Budgets, Performance Budgeting, Zero Base Budgeting.
- Marginal & Absorption Costing.
- Revision

May-2024

- Revision
- Group Discussions
- Class Seminars etc.

Shyama Vashista
24.01.24

Subject Lesson Plan (Session 2023-24)

Name of the Teacher: SHYAM VASHISHTHA Subject: Commerce
Paper: Financial market operations Class: B. Com. III
Section: — Semester: 2nd/4th/6th ✓

February-2024 Unit-I

- Indian Money market, features, functions, Instruments.
- Components of m.m.
- Recent Trends
- Class Test

March-2024 Unit-II

- SEBI- Fundamentals, Powers, Objectives
- Scope and functions of SEBI
- Investors Protection, Grievance cell in Stock Exchange
- Company Law Board
- Press Remedy Through Courts.

April-2024 Unit-III & IV

- Fundamentals of stock Exchange
- Financial Services- Types, Merchant Banking
- SEBI Guidelines
- Role of FII's, Policy measures
- Products & Services of - IFCT, IDBI, IIBI, SIDBI, EXIM, NABARD & ICICI.

May-2024 - Revision

- Class Tests
- Group Discussions
- Class seminars etc.

[Signature]
24.01.24

Subject Lesson Plan (Session 2023-24)

Name of the Teacher Ms. Anamika Subject Chemistry
Paper Bioorganic & medicinal chemistry Class MSc. Chemistry 4th sem.
Section (22CHE403) Semester 2nd/4th/6th

February-2024

UNIT-1. Amino Acids, Peptides And Proteins.

Enzymes.

Unit - Test

March-2024

UNIT - II

Co-enzyme chemistry

Carbohydrate

Fatty Acids.

Assignments presentations.

April-2024

UNIT - III

Drug Design : Concepts of Drugs & prodrugs.

Drug metabolism,

Structure Based Drugs Design

Enzyme Inhibitor.

Unit - Test

May-2024

Unit - IV.

Introduction, general Mode of Action, Synthesis and medicinal use of Important drugs in different categories.

Final Revision.

Ans
25/01/24

Name of the Teacher: Ms. Anamika.

Subject: Chemistry

Paper: Physical Chemistry-II

Class: M.Sc. Chemistry 2nd sem.

Section: 22CHE-202

Semester: 2nd / 1st / 6th

February-2024

UNIT-I

Thermodynamics.

Unit - Test

March-2024

Unit - III

Statistical Thermodynamics.

with.

Assignment presentation.

April-2024

Unit - II

Chemical Dynamics.

Unit IV - Laws of photochemistry.

Quantum yield

Quantum efficiency, Reasons of High

& Low quantum yield.

May-2024

Unit - IV

Jablonski Diagram, Photochemical process.

Kinetics of photochemical processes.

Kinetics of quenching; Photochemical Rxn
Reimer

Anties
25/01/24.

Pushkar Dutt

Name of the Teacher.....

Subject MathematicsPaper Advanced Fluid DynamicsClass M.Sc. 2nd Year

Section.....

Semester- 2nd/4th/6thUNIT-I

February-2024

Advanced Fluid Dynamics:— Irrotational motion in two-dimensions, Complex potential Complex Velocity potential for standard two-dimensional flows. Kármán Vortex sheet. Milne-Thomson's Circle theorem.

March-2024

UNIT-II:— Gas Dynamics. Isentropic gas flow. Flow through a nozzle. Shock waves. Equation of motion of a gas. The elements of wave motion. The speed of sound in a gas.

April-2024

UNIT-III:— Stress Components in a real fluid. Steady motion between parallel plates. Theory of lubrication. Flow between concentric rotating cylinders, viscous flow in tubes of uniform cross section.

May-2024

UNIT-IV:— Dynamical Similarity, Inspection analysis, Reynolds number Dimensional analysis. Boundary layer thickness.

P.D.S.M.

24/01/2024

Name of the Teacher: Pusluka DuttSubject: MathematicsPaper: Algebra / P.D.E / Measure and IntegrationClass: M.Sc. Ist YearSection: TheorySemester: 2nd / 4th / 6thUNIT-IFebruary-2024 Abstract Algebra: — Module, Submodule, Free modules,

Schur's Lemma. Fundamental structure theorem of finitely generated modules over principal ideal domain and its applications.

Partial Differential Equations: — First and second order Partial Differential Equation. one-dimensional wave equation.Measure And Integration Theory: — Measurable functions and properties

Lusin's Theorem, Almost Uniform Convergence.

March-2024

Abstract Algebra: — Noetherian and Artinian modules.

Hilbert Basis Theorem, nil and nilpotent ideals.

UNIT-IIPartial Differential Equations: — Laplace's Equation. Maximum and minimum Principles, The Cauchy problem. The Dirichlet's problem for a rectangle.Measure and Integration Theory: — Shortcomings of Riemann Integral. Bounded Convergence Theorem, Fatou's Lemma.UNIT-III

April-2024

Abstract Algebra: — Algebraic extension of a field.

Degree of field extension. Splitting Field.

Partial Differential Equations: — Heat Conduction Problem.

Green's function, Kelvin's Inversion Theorem.

Measure and Integration Theory: — Differentiation of monotonic function. Differentiation of Improper Integral. Fundamental Theorem of Calculus.UNIT-IV

May-2024

Abstract Algebra: — Normal and separable extensions of fields.

Separable and inseparable extension. Galois Theory.

Partial Differential Equations: — Numerical and Approximate methods.

Monte Carlo methods, Monte Carlo solutions of P.D.E's

Measure And Integration Theory: — Convex function, Riesz-Fischer Theorem. Riesz Representation Theorem.Q. Jagan
25/01/2024

Subject Lesson Plan (Session 2023-24)

Name of the Teacher Pushkar Dutt Subject Mathematics
 Paper Integral Equations Class M.Sc. 2nd Year
 Section Mechanics of Solid-II Semester 2nd/4th/6th

UNIT-I

February-2024 Integral Equations:— Linear Integral Equations, Some basic identities, Volterra Integral Equations, Resolvent Kernel as a series. Solution of a Volterra Integral Equation of first kind.
Mechanics of Solid-II:— Plane stress and plane strain, Airy stress function for plane strain problems. Rotating shaft. Thick walled tube under external and internal pressures.

UNIT-II

March-2024 Integral Equations:— Boundary value problems reduced to Fredholm Integral Equations. Method of successive substitution and successive approximation. Resolvent Kernel as a sum of series.
Mechanics of Solid-II:— Torsion of Beams, Torsion of cylindrical bars. Torsion and stress functions. Circular groove in a circular shaft. Transverse load.

UNIT-III

April-2024 Integral Equations:— Green function. Basic four properties of the Green's function. Hilbert-Schmidt theory of symmetric kernels.
Mechanics of Solid-II:— Spring and Dashpot, Maxwell and Kelvin Models. Thick-walled tube in plane strain.

UNIT-IV

May-2024 Integral Equations:— Integral transform for solving integral equations, Basic properties of Laplace transform, Fourier transform. Fourier sine and cosine transforms. Mechanics of Solid-II:— Simple harmonic progressive waves, scalar wave equation. Plane waves and spherical waves, stationary type solutions in Cartesian and cylindrical Coordinates.

Exams
24/01/2024

Name of the Teacher SUNIT Subject Physical Education & Health
Paper Health, Hygiene & Nutrition Class & Section B.A. 2nd Sem

Unit-I interaction meaning and definition of health
(i) Dimensions of health
(ii) Importance of health and factors affecting health
(iii) Characteristics of a healthy individual
Unit-II meaning and importance of personal hygiene

(i) Personal hygiene of
(a) Teeth (b) Eyes (c) Ears (d) Skin
(ii) Meaning and objectives and guiding principles of first-aid
(iii) First-aid in case of
(a) Poisoning (b) Fracture (c) Sprain
(d) Heat stroke Unit III concept of Nutrition and Balanced Diet
(i) Components of Balanced diet
(ii) Factors affecting diet
(iii) Importance of Balanced Diet

Unit IV meaning of communicable and non-communicable disease (i) Various modes of transmission of communicable disease (ii) Prevention and control of communicable disease
(iii) Symptoms, presentation and control of
(a) A.T.D.S (b) Tuberculosis (c) Hepatitis (d) Malaria

Sunit
Signature of Teacher

Subject Lesson Plan Even Semester 2023-2024

Name of the

Teacher Sunil

Subject Physical Education

Paper Basic of sport's training

Class & Section B.A. IVth Sem

Unit 1 Introduction meaning and definition of sport training

(ii) Aim and objectives of sports training.

(iii) Basic methods of sports training.

(a) Continuous Method (b) Repetition method.

(c) Interval Method.

Unit 2 Introduction of warming up and cooling down.

(ii) Methods and type of warming up.

(iii) Guiding principles of warming up importance of warming up and cooling.

(iv) Exercise type of exercise and importance exercise in daily life.

Unit 3 Meaning and definition of Physical Fitness

(ii) Importance of Physical Fitness.

(iii) Components of Physical Fitness.

(iv) Factors influencing Physical Fitness.

Unit 4 (i) Meaning definition and types of Fatigue

(ii) Symptoms of Fatigue.

(iii) Causes and Remedies of Fatigue.

(iv) Massage type and benefits of Massage.


Signature of Teacher



Name of the

Teacher Sunil

Subject

Physical Education

Paper

Sports Journalism and Mass Media

Class & Section

B.A VIth SemUnit I Introduction meaning and Definition of Sports Journalism.

- (i) Importance and Scope of Sports Journalism.
- (ii) Historical background of sports Journalism.
- (iii) Aim and objectives of sports Journalism.

Unit II Qualities and qualifications for an ideal sports.

- (i) Ethical standards of sports Journalist.
- (ii) Socio-political significance of sports Journalism.
- (iii) Sports Journalism in India.

Unit III Famous sports writers Commentators and Broadcasters of India.

- (i) Duties of sports Journalist during press Conference.
- (ii) Impact of Radio, Television and Social media on Sports.
- (iii) Methods of editing a sports report.

Unit IV Recent trends of sports journalism.

- (i) Reporting Sports events.
- (ii) Structure of sports bulletin.
- (iii) Interview with an elite player or Coach.

Sunil
Signature of Teacher

Subject Lesson Plan September-2022 to February-2023

Name of the Teacher SUNIL Subject Physical Education
 Paper Foundations of Physical Education Class & Section B.A 1st Sem

Unit 1 September-2022 Meaning definition And Scope of.

- (i) Physical Edu.
- (ii) Aim and objectives of Physical Edu
- (iii) Importance of Physical Education in modern Society.
- (iv) October-2022 Qualities and qualifications for Phy. Sports in. ^{Teacher}

Unit 2 November-2022 Pre independence developments of Phy-Edu & sports in India
Post independence development of Phy Edu and sports in India.

- (iii) SAI NSNIS And Role of these agencies in development of Phy Edu.
- (iv) IOA Aim, objectives and role in Promotion of sport.

Unit 3 December-2022 (i) Historical development of ancient Olympic games.
(ii) Historical development of modern Olympic games.
(iii) India in Olympic.
January-2023 (iv) Asian Games - commonwealth games and highlights of Indians performances.

Unit 4 February-2023 Arjuna Award.
(i) Arjuna Award.
(ii) MAHA T Erophy
(iii) Major Dhyan Chand Award.

Sunil
Signature of Teacher

Subject Lesson Plan September-2022 to February-2023

Name of the Teacher SUNIL

Subject Physical Education

Paper Yoga Science

Class & Section B.A Vth Sem

Unit I September-2023 Brief history of Yoga in India.

(i) Meaning definition and types of Yoga.

(ii) Ashtang yoga and its steps.

(iii) Aim objectives and importance of Yoga.

October-2023

Unit II Meaning definition and types of Asanas.

(i) Methods and benefits of Asanas Sukhasana

Padmasana, Siddhasana, and Vajrasana.

(ii) Samvatasana, Halasana, Paschimottasana, Bhujangasana,

November-2023

(iii) Surya Namaskar, Chakrasana and Bhujangasana.

Unit III Shat Karmas / Shudhi Karmas process and effects.

(i) Neti, Sutra Neti and Jal Neti

(ii) Dhauti, Bahadanti, Vastara Dhauti, Anul Dhauti, Ushtri Basti

December-2023

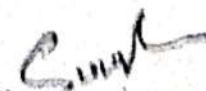
Unit IV Introduction meaning definition of Pranayama.

(i) Benefits of Pranayama

(ii) Methods of Pranayama, Bhastrika, Anulom Vilom,

January-2023

February-2023


Signature of Teacher

Subject Lesson Plan September-2022 to February-2023

Name of the Teacher Sunil

Subject Physical Education

Paper Psychology Physical Education Class & Section B.A. Med. Sem

September-2022

Psychology meaning definition

and importance of sports psychology

- (i) Learning meaning laws and transfer of learning
(ii) Learning meaning definition, types and nature of learning

October-2022

Individual differences. Types and causes.

- (i) Learning definition and effects of exercise on learning.
(ii) Learning definition and effects of exercise on learning.
(iii) Learning definition and effects of exercise on learning.

November-2022

Bones types and functions of bones

- (i) Learning and types of Good posture
(ii) Learning and types of Good posture
(iii) Learning and types of Good posture

December-2022

Meaning and types of Tournaments

Procedure to draw fixtures for tournament

Knock-out tournament

January-2023

- (i) Learning and types of Tournaments
(ii) Learning and types of Tournaments
(iii) Learning and types of Tournaments

Procedure to draw fixtures for tournament

February-2023

Merits and Demerits of Knock-out and League Tournament.

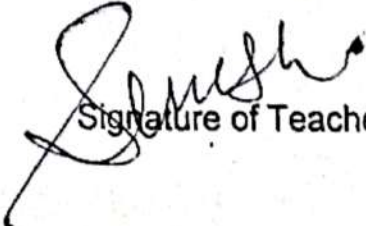
Sunil
Signature of Teacher

Name of the Teacher Dr. Suresh Subject Hindi
Paper हिंदी Class & Section B.A. III

अपेक्षित: पेमचन्द, जयशंकर प्रसाद, दासिदागन्ध, धीरानन्द
वाल्मीकि (अज्ञेय) व मोहन राकेश का साहित्यिक परिचय,
कहानी साद व प्रश्न

मई: कवीश्वरनाथ रेणु, मैत्रेयी पुष्पा, ओमप्रकाश
वाल्मीकि का साहित्यिक परिचय, कहानी साद
व लम्बी प्रकाश के प्रश्न, आधुनिक काल की परिस्थितियाँ

जून: हिन्दी कहानी, नई कहानी, हिन्दी नाटक
हिन्दी एकांकी, उद्भव और विकास


Signature of Teacher