Nawab Jassa Singh Ahluwalia Government College, Kapurthala

Distribution of Syllabus & Lesson Plan

Name of the Department: Chemistry

Class: B.Sc. Sem Ist

Name of the Teacher: Dr. Jasmeet Sethi

Subject: Inorganic Chemistry

Session/Year: 2024-25 (Odd Semester)

Sr. No.	Month	Unit	Lesson Plan
1	August	A	**Atomic Structure-** Idea of de Broglie matter waves, Heisenberg uncertainty principle, atomic orbitals, Schrodinger wave equation, Quantum numbers, Shapes of s, p, d and f orbitals. Aufbau's and Pauli's Exclusion principle, Hund's multiplicity rule. Electronic configurations of the elements and ions.
2	September	A	**Periodic Properties-** Position of elements in the periodic table; effective nuclear charge and its calculations. Details of atomic and ionic radii, ionization energy, electron affinity and electronegativity.
3	October	B	**Ionic Solids:** Concept of close packing, Ionic structures, radius ratio rule and coordination number, limitation of radius ratio rule, lattice defects, semiconductors, lattice energy and Born–Haber cycle. Fajan's rule, Weak Interactions – Hydrogen bonding, van der Waals forces.
4	November	B	**Chemical Bonding-I:** Covalent Bond–Valence bond theory and its limitations, directional characteristics of covalent bond, various types of hybridization and shapes of simple inorganic molecules and ions, Valence shell electron pair repulsion (VSEPR) theory, homonuclear and heteronuclear

			diatomic molecules. Multicentre bonding in boranes, Percentage ionic character from dipole moment and electronegativity difference.
		C	**Acids and Bases:** Arrhenius, Bronsted-Lowry, the Lux-Flood, solvent system and Lewis concepts of acids and bases.

Jagmeet.

Signature of the HOD/Teacher

Nawab Jassa Singh Ahluwalia Government College, Kapurthala

Distribution of Syllabus & Lesson Plan

Name of the Department: Chemistry

Class: B.Sc. Sem 2nd

Name of the Teacher: Dr. Jasmeet Sethi

Subject: Inorganic Chemistry

Session/Year: 2024-25 **(Even Semester)**

Sr. No.	Month	Unit	Lesson Plan
1	**January**	A	Hybridization, localized and delocalized chemical bond, Electron displacement, Use of arrows, Types of reagents, Reactive Intermediates: Carbocations, Carbanions, Free radicals Carbenes, arenes and Nitrenes. Stereochemistry: Fischer Projection, Newmann and Sawhorse Projection formulae and their interconversions, Geometrical isomerism, E/Z notations with C.I.P rules, Optical Activity, enantiomeric and diastereomeric excess, Chirality/Asymmetry, Enantiomers, Diastereoisomers, Racemic mixture and resolution, optical activity in absence of chiral carbon, Relative and absolute configuration: D/L and R/S designations,
2	**February**	A	C.I.P rules, Optical Activity, enantiomeric and diastereomeric excess, Chirality/Asymmetry, Enantiomers, Diastereoisomers, Racemic mixture and resolution, optical activity in absence of chiral carbon, Relative and absolute configuration: D/L and R/S designations,
3	**March**	B	**Chemistry of alkanes**: methods of formation of alkanes, Free radical substitutions: Halogenation -relative reactivity and selectivity. Cycloalkanes and Conformational Analysis: Baeyer strain theory, Conformation analysis, relative stability and energy diagrams of ethane, propane, butane, cyclohexane and Chair, Boat and Twist boat forms of cyclohexane.

4	**April**	B	**Chemistry of alkenes/alkynes**: Nomenclature and Formation of alkenes and alkynes, Mechanism of E1 and E2 reactions, Saytzeff and Hofmann eliminations. Mechanisms and Reactions of alkenes, reduction, syn and anti-hydroxylation (oxidation), 1,2- and 1,4- addition reactions in conjugated dienes and Diels-Alder reaction, mechanism of allylic and benzylic bromination. Reactions of alkynes.

Jasmeet/
Signature of the HOD/Teacher

Nawab Jassa Singh Ahluwalia Government College, Kapurthala

Distribution of Syllabus & Lesson Plan

Name of the Department: Chemistry

Class: B.Sc. Sem IIIrd

Name of the Teacher: Dr. Jasmeet Sethi

Subject: Organic Chemistry

Session/Year: 2024-25 (Odd Semester)

Sr. No.	Month	Unit	Lesson Plan
1	August	A	**I. Stereochemistry Organic Compounds** Concept of isomerism. Types of isomerism. Optical isomerism- elements of symmetry, molecular chirality, enantiomers, stereogenic centre, optical activity, properties of enantiomers, chiral and achiral molecules with two stereogenic centres, diastereomers, threo and erythro diasteremers, meso compounds, resolution of enantiomers, inversion, retention and racemization. Relative and absolute configuration, sequence rules, D & L and R & S systems of nomenclature. Geometric isomerism–determination of configuration of geometric isomers. E & Z system ofnomenclature.
2	September	B	**II. Isomerism** Conformational isomerism–conformational analysis of ethane and n–butane; conformation ofcyclohexane, axial and equatorial bonds, conformation of mono substituted cyclohexane derivatives. Newman projection and Sawhorse formulae, Fischer and flying wedge formulae. Difference between configuration and conformation. **III. Alcohols** Classification and nomenclature. Monohydric alcohols—nomenclature. Acidic nature. Reactions of alcohols, cleavage of O-H bond, C-O bond and dehydration reactions, regioselectivity of dehydration. Dihydric alcohols—nomenclature, methods of formation, chemical reactions of vicinal glycols, oxidative cleavage [$Pb(OAC)_4$] and [HIO_4] and pinacol-pinacolone rearrangement
3	October	C	**IV. Phenols** Nomenclature, structure and bonding, Preparation of phenols, physical properties and acidiccharacter, Comparative acidic strengths of alcohols and phenols, resonance stabilization of phenoxide ion. Reactions of phenols—electrophilic aromatic substitution, acylation and carboxylation. Mechanisms of Fries rearrangement, Claisen rearrangement, Gatterman synthesis, Reimer Tiemann reaction **V. Preparation of Aldehydes and Ketones** Nomenclature and structure of the carbonyl group. Synthesis of aldehydes and ketones withparticular reference to the synthesis of aldehydes from acid chlorides, synthesis of aldehydesand ketones using 1,3-dithianes, synthesis of ketones from nitriles and from carboxylic acids.

4 •	**November**	**D**	**VI. Properties of Aldehydes and Ketones** Physical properties. Mechanism of nucleophilic additions to carbonyl group with particularemphasis on benzoin, aldol, Perkin and Knoevenagel condensations. Condensation withammonia and its derivatives. Witting reaction. Mannich reaction. Use of acetals as protectinggroup. Oxidation of aldehydes, Baeyer-Villiger oxidation of Ketones, Cannizzaro reaction,MPV, Clemmensen, Wolff-Kishner, $LiAlH_4$ and $NaBH_4$ reductions. Halogenation ofenolizable ketones. **Coupling reaction using Transition metal/metal complexes (formation of C-C bonds)**: concept of Homo and Cross coupling reactions with emphasis on Glaser reaction, Ullman reaction, Sonogashira, Suzuki, Hiyama, Negishi and Kumada coupling reactions.

Jasmeet.

Signature of the HOD/Teacher

Nawab Jassa Singh Ahluwalia Government College, Kapurthala

Distribution of Syllabus & Lesson Plan

Name of the Department: Chemistry

Class: B.Sc. Sem IVth

Name of the Teacher: Dr. Jasmeet Sethi

Subject: Inorganic Chemistry

Session/Year: 2024-25 (Even Semester)

Sr. No.	Month	Unit	Lesson Plan
1	January	A	**I. Coordination Compounds** Nomenclature of coordination compounds, Werner's coordination theory and its experimental verification, effective atomic number, polydentate, chelating ligands and chelation, factors affecting stability of chelates, structural and stereoisomerism in coordination compounds with co-ordination number 4 and 6, resolution of racemic mixture, Valence bond theory of transition metalcomplexes, hybridization and geometry of complexes of Cr ions, Fe and its ions, Co^{3+}, Ni and its ions, Cu^{2+}. Magnetic properties and colour of coordination compounds. Application of coordination compounds.
2	February	B	**II. Non-aqueous Solvents** Physical properties of a solvent and their role in chemical reaction. Types of solvents and their general characteristics, types of reactions in non-aqueous solvents. Characteristics properties andreactions of liquid NH3 and liquid SO2 as non-aqueous solvents. **III. Oxidation and Reduction** Oxidation-reduction as electron transfer reaction, oxidation number, redox reactions, Use of redoxpotential data (electrochemical series), analysis of redox cycle, redox stability in water, brief description and uses of Frost, Latimer and Pourbaix diagrams.
3	March	C	**IV. Chemistry of Lanthanide Elements** Electronic structure, general charaters of lanthanide, oxidation states, magnetic properties, atomicand ionic radii, lanthanide contraction, cause and consequences. Methods of separation oflanthanide from each other, Electronic absorption and uses of lanthanides. Chemistry of Actinides General features and chemistry of actinides, Electronic and magnetic properties of actinides and their general comparison with the lanthanide elements, similarities between the later actinides andthe later lanthanides'Use as nuclear fuel, transuranic elements
4	April	D	**V. Bioinorganic Chemistry** Essential and trace elements in biological processes, essential bulk elements and their role in biological processes. Metalloporphyrins with special reference to haemoglobin and myoglobin. Role and function of

			haemoglobin and myoglobin. Chemistry of transfer of O2 and CO2. Biologicalrole of alkali (Na^+ & K^+) and alkaline earth metal ions with special reference to Ca^{2+} and Mg^{2+}. Importance of trace elements in biology.

Jasmeet

Signature of the HOD/Teacher

Nawab Jassa Singh Ahluwalia Government College, Kapurthala

Distribution of Syllabus & Lesson Plan

Name of the Department: Chemistry

Class: B.Sc. Sem Vth

Name of the Teacher: Dr. Jasmeet Sethi

Subject: Inorganic Chemistry

Session/Year: 2024-25 **(Odd Semester)**

Sr. No.	Month	Unit	Lesson Plan
1	August	A	**1. Metal-ligand Bonding in Transition Metal Complexes** Limitations of valence bond theory, an elementary idea of crystal-field theory, crystal field splittingin octahedral, tetrahedral and square planar complexes, Spectrochemical series factors affecting thecrystal-field parameters, Structural and Thermodynamic effects of inner orbital splittings, Jahn-Teller effects.
2	September	B	**2. Magnetic Properties of Transition Metal Complexes** Types of magnetic behaviour, methods of determining magnetic susceptibility, spin-only formula.L-S coupling, correlation of μs and μeff values, orbital contribution to magnetic moments, application of magnetic moment data for characterization of 3d-metal complexes. **3. Thermodynamic and Kinetic Aspects of Metal Complexes** A brief outline of thermodynamic stability of metal complexes and factors affecting the stability.substitution reactions of square planar complexes.
3	October	C	**4. Electronic Spectra of Transition Metal Complexes** Term Symbols for p^2 & d^2 systems, spectroscopic ground states for d^1-d^{10} electronic configurations.Types of electronic transitions, selection rules for d-d transitions, spectroscopic ground states, Orgel diagram for d^1-d^9.
4	November	D	**5. Organometallic Compounds** Definition, nomenclature and classification of organometallic compounds. EAN rule, Preparation,properties, and applications of alkyls aryls of lithium and aluminium, Bonding in metal-ethyleniccomplexes, Mechanism of homogeneous hydrogenation reactions

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Nawab Jassa Singh Ahluwalia Government College, Kapurthala

Distribution of Syllabus & Lesson Plan

Name of the Department: Chemistry

Class: B.Sc. Sem VIth

Name of the Teacher: Dr. Jasmeet Sethi

Subject: Organic Chemistry

Session/Year: 2024 - 25 **(Even Semester)**

Sr. No.	Month	Unit	Lesson Plan
1	January	A	**1. Spectroscopy** Nuclear Magnetic Resonance (NMR) spectroscopy. Proton Magnetic Resonance (1H NMR) spectroscopy, nuclear shielding and deshielding, chemical shift and molecular structure, spin-spin splitting and coupling constants, areas of signals, interpretation of PMR spectra of simple organic molecules suchas ethyl bromide, ethanol, acetaldehyde, 1,1,2-tribromoethane, ethyl acetate, toluene and acetophenone. **2. Electromagnetic Spectrum: Absorption Spectroscopy** Ultraviolet (U.V.) absorption spectroscopy introduction- (Beer-Lambert law), molar absorptivity,analysis of UVspectra, types of electronic transitions effect of conjugation. Concept of chromophores and auxochrome, Bathochrome, hypsochrome, hyperchrome, hypochromic shifts-UVspectra of conjugated compounds, Infrared (IR) Absorption spectroscopy-introduction, Hooke's law,Selection rules, intensity and IR bands, measurement of IR spectrum time characteristic absorptionof various fundamental band interpretation of IR spectra of simple organic compounds
2	February	B	**3. Problems based on spectroscopy** Problems pertaining to the structure elucidation of simple organic compounds using UV, IR and PMR spectroscopic techniques. **4. Synthetic Polymers** Addition or chain-growth polymerization. Free radical vinyl polymerization, ionic vinylpolymerization, Ziegler-Natta polymerization and vinyl polymers. Condensation or step growth polymerization. Polyesters, polyamides, phenol formaldehyde resins,urea formaldehyde resins, epoxy resins and polyurethanes. Natural and synthetic rubbers **5. Organic Synthesis *via* Enolates** Acidity of α-hydrogens, alkylation of diethyl malonate and ethyl acetoacetate. Synthesis of ethylacetoacetate: the Claisen condensation. Keto-enol tautomerism of ethyl acetoacetate. Alkylation of 1,3-dithianes. Alkylation and acylation of enamines
3	March	C	**6. Carbohydrates** Classification and nomenclature. Monosaccharides, mechanism of osazone formation, interconversion of glucose and fructose, chain lengthening and chain shortening of aldoses. Configuration of monosaccharides. Erythro and threo diastereomers. Conversion of glucose into mannose. Formation of glycosides, ethers and esters. Determination of ring size of monosaccharides. Cyclic structure of D(+)-glucose. Mechanism of mutarotation. Structures of ribose and deoxyribose

			An introduction to disaccharides (maltose, sucrose and lactose) and polysaccharides (starch and cellulose) without involving structure determination
4	**April**	D	**7. Amino Acids, Peptides, Proteins and Nucleic Acids** Classification, structure and stereochemistry of amino acids. Acid-base behaviour, isoelectric pointand electrophoresis. Preparation and reactions of α-amino acids. Structure and nomenclature of peptides and proteins. Classification of proteins. Peptide structure determination, end group analysis, selective hydrolysis of peptides. Classical peptide synthesis, solid-phase peptide synthesis. Structures of peptides and proteins. Levels of protein structure. Protein denaturation/renaturation. Nucleic acids : Introduction. Constituents of nucleic acids. Ribonucleosides and ribonucleotides. Thedouble helical structure of DNA

Jagmeet

Signature of the HOD/Teacher

Distribution of Syllabus and Lesson Plan

Session/ Year : 2024-2025 (Odd Semester)

Name of the Department: Department of Physics

Name of the Teacher: Ms. Harmandeep Kaur

Class: B.Sc. (Non-Med) Sem-I

Subject: Electricity and Magnetism

Sr.No.	Month	Unit	Lesson Plan
1	August	-	NA
2	September	-	NA
3	October	D	Interaction between moving charges and force between parallel currents. Behaviour of various substances in magnetic field. Definition of M and H and their relation to free and bound currents. Permeability and susceptibility and their interrelationship.
4	November	D	Orbital motion of electrons and diamagnetism, Paramagnetism and Ferromagnetism, Maxwell's equations, boundary conditions, electromagnetic induction and applications.

Harmandeep Kaur

Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Session/ Year : 2024-2025 (Odd Semester)
Name of the Department: Department of Physics
Name of the Teacher: Ms. Harmandeep Kaur
Class: B.Sc. (Non-Med) Sem-III
Subject: Optics and Lasers

Sr.No.	Month	Unit	Lesson Plan
1	August	-	NA
2	September	-	NA
3	October	A & B	Superposition of light waves and interference, young's double slit experiment, Conditions for sustained interference pattern, Coherent sources of light, Interference pattern by division of wave front, Fresnel Biprism, Displacement of fringes, Change of phase on reflection, Interference in thin films due to reflected and transmitted light, non reflecting films, Newton's Rings. Michelson Interferometer, Huygen's fresnel theory, half-period zones, Zone plate, Distinction between fresnel and fraunhoffer diffraction. Fraunhoffer diffraction at rectangular and circular apertures, Effect of diffraction in optical imaging, Resolving power of telescope in diffraction grating, its use as a spectroscopic element and its resolving power, Resolving power of microscope.
4	November	C & D	Plane Polarized light, Elliptically polarized light, wire grid polarizer, Sheet polarizer, Mauls' Law, Brewester Law, Polarization by reflection, Scattering, Double reflection, Nicol prism, Retardation plates, Production Analysis of polarized light, Quarter and half wave plates, Derivation of Einstein relations, Concept of stimulated emission and population inversion, broadening of spectral lines, three level and four level laser schemes, elementary theory of optical cavity, Longitudinal and transverse modes. Components of laser devices, condition for laser action, types of lasers, Ruby and Nd:YAG lasers, He-Ne and CO2 lasers construction, mode of creating population inversion and output characteristics, application of lasers

Harmandeep Kaur

Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Session/ Year : 2024-2025 (Even Semester)
Name of the Department: Department of Physics
Name of the Teacher: Ms. Harmandeep Kaur
Class: B.Sc. (Non-Med) Sem-II
Subject: Mechanics, Vibrations & Waves

Sr.No.	Month	Unit	Lesson Plan
1	**January**	C	Simply harmonic motion, energy of an SHO. Compound pendulum. Torsional pendulum Electrical oscillations Transverse vibrations of a mass on string, superposition of two perpendicular SHMs having periods in the ratio 1:1 and 1:2.
2	**February**	C	Decay of free Vibrations due to damping. Differential equation of damped harmonic motion, types of motion, types of damping. Determination of damping coefficient logarithmic decrement, relaxation time and Q–Factor.
3	**March**	D	Differential equation for forced mechanical and electrical oscillators. Transient and steady state behaviour. Displacement and velocity variation with driving force frequency, variation of phase with frequency, resonance. Power supplied to an oscillator and its variation with frequency. Coupled oscillators, Normal co–ordinates and normal modes of vibration. Inductive coupling of electrical oscillators.
4	**April**	D	Types of waves, wave equation (transverse) and its solution, characteristic impedance of a string. Impedance matching. Reflection and transmission of waves at boundary. Reflection and transmission of energy. Reflected and transmitted energy coefficients. Standing waves on a string of fixed length. Energy of vibrating string. Wave and group velocity.

Harmandeep Kaur

Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Session/ Year : 2024-2025 (Even Semester)

Name of the Department: Department of Physics

Name of the Teacher: Ms. Harmandeep Kaur

Class: B.Sc. (Non-Med) Sem-II

Subject: Skill Enhancement Course – Applied Optics

Sr.No.	Month	Unit	Lesson Plan
1	January	-	NA
2	February	A	Superposition of light waves and interference, Young's double slit experiment, conditions for sustained interference pattern, coherent sources of light, spatial and temporal coherence, interference pattern by division of wave front.
3	March	A&B	Fresnel Biprism, displacement of fringes, change of phase on reflection, interference in thin films due to reflected and transmitted light, Newton's Rings. Michelson, Fabry Perot and Mach Zehnder Interferometer, Fresnel's theory of diffraction, half-period zones, Zone plate, distinction between Fresnel and Fraunhoffer diffraction.
4	April	B	Fraunhoffer diffraction at rectangular and circular apertures, Resolving power of telescope in diffraction grating, its use as a spectroscopic element and its resolving power, resolving power of microscope.

Harmandeep Kaur

Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Session/ Year : 2024-2025 (Even Semester)
Name of the Department: Department of Physics
Name of the Teacher: Ms. Harmandeep Kaur
Class: B.Sc. (Non-Med) Sem-IV
Subject: Quantum Mechanics

Sr.No.	Month	Unit	Lesson Plan
1	**January**	A	Brief introduction to the need and development of quantum mechanics, photoelectric effect, Compton effect, wave-particle duality, De broglie hypothesis, Uncertainity principle, Gaussian wave packet. Operator correspondence. Normalization and probability interpretation of wave function. Superposition principle.
2	**February**	B & C	Expectation value, probability current and conservation of probability. Admissibility conditions or wave function. Ehrenfest theorem, eigenfunction and eigenvalue. Operator formalism, orthogonal system, expansion in eigen functions, Hermitian operator, simultaneous eigen function, equation of motion, Fundamental postulates of wave mechanics, Schrodinger's wave equation for a free particle and equation of a particle subject to forces.
3	**March**	C & D	One-dimensional step potential for $E>V_o$, one-dimensional step potential for $0<E<V_o$, one dimensional potential barrier of finite height and width, Quantum mechanical tunnelling effect, particle in one dimensional box with infinitely hard walls, one dimensional square well of finite depth, Free particle in three dimensional rectangular box, eigen wave function, eigenvalues of momentum, energy and degeneracy.
4	**April**	D	Three dimensional harmonic oscillator (Cartesian coordinates) wave function, energy levels,degeneracy,Schrodinger's wave equation in spherical polar coordinates, Schrsodinger wave equation for spherically symmetric potential for hydrogen atom, wave function of H atom, solution of $R(r),\Theta(\theta),\Phi(\phi)$ equations.

Harmandeep Kaur

Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Session/ Year : 2024-2025 (Even Semester)
Name of the Department: Department of Physics
Name of the Teacher: Ms. Harmandeep Kaur
Class: B.Sc. (Non-Med) Sem-VI
Subject: Radiation and Particle Physics

Sr.No.	Month	Unit	Lesson Plan
1	**January**	A	Energy loss of electrons and positrons, Positrons annihilation in condensed media, Sopping power and range of heavier charged, derivation of Bethe-Bloch formula, interaction of gamma rays with matter.
2	**February**	B	Gas-filled detectors, proportional and Geiger-Mueller counters, Scintillation detectors, semiconductor detectors, Cherenkov effect, solid state nuclear track detectors, bubble chambers, nuclear emulsions.
3	**March**	C &D	Accelerators, linear accelerators, cyclic accelerators: cyclotron, synchrocyclotron, Betatron, electron and proton synchrotron, phase stability, colliding beam machines: introduction to Large Hadron Collider and Fermilab Tevatron, Historical introduction, fermions and bosons, particles and antiparticles.
4	**April**	D	Classification of particles, types of interactions, electromagnetic, weak, strong interactions, gravitational interactions, Quantum numbers and conservation laws, isospin, charge conjugation, Introduction to quarks and qualitative discussion of the quark model, high energy physics units.

Harmandeep Kaur

Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Session/ Year : 2024-2025 (Even Semester)

Name of the Department:.....English.....

Name of the Teacher:.....Prof. Malika.....

Class:...B.A SEM 2ND

.....

Subject: Skill Enhancement Course.....(SEC) - I.....

Sr.No.	Month	Unit	Lesson Plan
1	January	1	• Introduction to the syllabus • Detailed discussion of the concept of language • Purpose of language and communication
2	February	2	• Definition of communication • Types of communication • Barriers to communication • Effective communication
3	March	3	• The art of public speaking discussed • Presentation skills • Listening : active listening • feedback
4	April	4	• Resume writing

Malika

			• job interview skills • communication skills for leaders • class test • clarification of doubts raised by students

Malika

Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Session/ Year : 2024-2025 (Even Semester)

Name of the Department: .....ENGLISH.....

Name of the Teacher: .....Prof. MALIKA.....

Class: .....B.SC SEM 4TH.....

Subject: ...COMPULSORY ENGLISH.....

Sr.No.	Month	Unit	Lesson Plan
1	January	1	• Introduction of the syllabus • Discussion of various literary concepts
2	February	2	• Making Connections(textual reading of the various texts in unit 3) • Textual reading of the poems included in Moments in Time • Discussed critical analysis of various poetic texts prescribed in the syllabus • Class test
3	March	3	• Completion of poems prescribed from 'Moments in Time' • Introduction of Grammar syllabus from Raymond Murphy Grammar units prescribed in syllabus

Malika

4	**April**	4	• Practice of Grammar section from Raymond Murphy Grammar • Previous years university question papers discussed • Class test

Malika

Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Session/ Year : 2024-2025 (Even Semester)

Name of the Department:...English.....

Name of the Teacher:...Prof. Malika.....

Class: .....M.A ENGLISH SEM 4TH

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Subject:.....AMERICAN LITERATURE.....

Sr.No.	Month	Unit	Lesson Plan
1	January	1	• Walt Whitman: from song of Myself , portion 1, 6,32,40 • Crossing Brooklyn ferry
2	February	2	• Out of the cradle endlessly rocking • Completion of Walt Whitman's poems • Robert Frost: completed textual reading and critical analysis of all poems of Robert Frost 'The scarlet letter' by Nathaniel Hawthorn • Introduction to the author • Chapter wise discussion of the novel • Discussed various thematic aspects of the novel
3	March	3	'Death of a salesman' by Arthur Miller • Introduction to the author • Discussion of the play • Detailed chapter wise study • Previous year questions of university examination discussed

Malika

4	**April**	4	'The victim' by Saul Bellow • Introduction to the author • Chapter wise interpretation of the text • University exam previous year question papers were discussed • Class test

Malika

Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Session/ Year : 2024-2025 (Even Semester)

Name of the Department: .....English.....

Name of the Teacher: .....Prof. Malika.....

Class: .....B.A SEM 2ND .....

Subject: ...ELECTIVE ENGLISH.....

Sr.No.	Month	Unit	Lesson Plan
1	January	1	• Introduction to the syllabus • Transcription introduced • Discussion of concepts related to IPA
2	February	2	• Practice of transcription • Literary terms prescribed in the syllabus were discussed in detail • Play the school for scandal by Sheridan introduced • Introduction to the author • Summary • Class test
3	March	3	• Textual study of the play, • Discussion of thematic and critical analysis • Discussion of the questions • Class test

Malika

4	**April**	4	• Novel untouchable by Mulk Raj Anand • Introduction to the author • Textual study of the novel • Discussion of the questions • Previous year university question papers were discussed • Class test

Malika

Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Session/ Year : 2024-2025 (Odd Semester)

Name of the Department: Punjabi

Name of the Teacher: Daljit Kaur

Class: B.A I Semester

Subject: General Punjabi

Sr. No.	Month	Unit	Lesson Plan
1	August	ਏ ਭਾਗ	ਕਵਿਤਾ ਭਾਗ (1-5) ਕਵੀ ਦੀ ਜੀਵਨ ਰਚਨਾ, ਪ੍ਰਸੰਗ ਸਹਿਤ ਵਿਆਖਿਆ / ਸਾਰ / ਵਿਸ਼ਾ ਵਸਤੂ
2	September		ਕਵਿਤਾ ਭਾਗ (6-10) ਕਵੀ ਦੀ ਜੀਵਨ ਰਚਨਾ, ਪ੍ਰਸੰਗ ਸਹਿਤ ਵਿਆਖਿਆ / ਸਾਰ / ਵਿਸ਼ਾ ਵਸਤੂ
3	October		ਪੰਜਾਬ ਦੇ ਮਹਾਨ ਕਲਾਕਾਰ - (1-6) ਜੀਵਨੀ ਮੂਲਕ ਵਿਸ਼ਾ ਵਸਤੂ / ਨਾਇਕ ਬਿੰਬ ਪੈਰਾ ਪੜ੍ਹ ਕੇ ਪ੍ਰਸ਼ਨਾਂ ਦੇ ਉੱਤਰ
4	November		ਵਿਆਕਰਣ - ਭਾਸ਼ਾ ਦਾ ਟਕਸਾਲੀ ਰੂਪ / ਭਾਸ਼ਾ ਤੇ ਉਪਭਾਸ਼ਾ ਵਿੱਚ ਅੰਤਰ / ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੇ ਨਿਕਾਸ ਵਿਕਾਸ ਸੰਬੰਧੀ ਪ੍ਰਸ਼ਨ ਉੱਤਰ

Daljit Kaur
Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Session/ Year : 2024-2025 (Odd Semester)

Name of the Department: Punjabi

Name of the Teacher: Daljit Kaur

Class: B.A III Semester

Subject: General Punjabi

Sr. No.	Month	Unit	Lesson Plan
1	August		ਸਭਿਆਚਾਰ ਅਤੇ ਪੰਜਾਬੀ ਸਭਿਆਚਾਰ (1–8) ਵਿਸ਼ਾ ਵਸਤੂ / ਸਾਰ
2	September		ਆਧੁਨਿਕ ਇਕਾਂਗੀ ਵਿਸ਼ਾ ਵਸਤੂ / ਪਾਤਰ ਚਿਤਰਨ / ਰੰਗ-ਮੰਚੀ ਪੱਖ
3	October		ਵਿਆਕਰਨ - ਸ਼ਬਦ ਵਿਆਕਰਨਕ ਇਕਾਈਆਂ- ਪਰਿਭਾਸ਼ਾ ਅਤੇ ਵਰਗੀਕਰਨ (ਭਾਵੰਸ਼, ਸ਼ਬਦ, ਵਾਕੰਸ਼, ਉਪਵਾਕ ਅਤੇ ਵਾਕ)
4	November		ਸੰਖੇਪ ਰਚਨਾ (ਪ੍ਰੈਸੀ) ਦਿੱਤੇ-ਪੈਰ੍ਹੇ ਵਿਚੋਂ ਅਸ਼ੁੱਧ ਸ਼ਬਦ- ਜੋੜਾਂ ਨੂੰ ਸ਼ੁੱਧ ਕਰਨਾ ਸਿਰਲੇਖ ਦਾ ਅਭਿਆਸ

Daljit Kaur
Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Session/ Year : 2024-2025 (Odd Semester)

Name of the Department: Punjabi

Name of the Teacher: Daljit Kler

Class: B. A III (5th Semester

Subject: General Punjabi

Sr. No.	Month	Unit	Lesson Plan
1	August		ਚੋਣਵੀਆਂ ਪੰਜਾਬੀ ਕਹਾਣੀਆਂ - (1-10) ਸਾਰ / ਵਿਸ਼ਾ
2	September		ਨਾਵਲ - ਏਹੁ ਹਮਾਰਾ ਜੀਵਣਾ (ਦਲੀਪ ਕੌਰ ਟਿਵਾਣਾ) ਸਾਰ / ਵਿਸ਼ਾ ਵਸਤੂ / ਪਾਤਰ ਚਿਤਰਨ
3	October		ਵਿਆਕਰਣ - ਧੁਨੀ ਵਿਉਂਤ, ਕਾਰਕ ਤੇ ਕਾਰਕੀ ਸੰਬੰਧੀ, ਵਾਕਾਤਮਕ ਜੁਗਤਾਂ - ਮੇਲ ਅਤੇ ਅਧਿਕਾਰ ਸੰਬੰਧੀ ਪ੍ਰਸ਼ਨ ਉੱਤਰ
4	November		ਪੰਜਾਬੀ ਵਿੱਚ ਅਨੁਵਾਦ, ਪੈਰਾ ਰਚਨਾ ਸਿਰਲੇਖ ਦਾ ਅਭਿਆਸ

Daljit Kler
Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Session/ Year : 2024-2025 (Even Semester)

Name of the Department: Punjabi

Name of the Teacher: Daljit Kaur

Class: B.A II Semester Section (A+C)

Subject: General Punjabi

Sr. No.	Month	Unit	Lesson Plan
1	January		ਵੇ ਰੰਗ - ਕਹਾਣੀ ਭਾਗ (1-10) ਕਹਾਣੀਆਂ ਸਾਰ / ਵਿਸ਼ਾ ਵਸਤੂ
2	February		ਪੰਜਾਬ ਦੇ ਮਹਾਨ ਕਲਾਕਾਰ - ਜੀਵਨੀ ਖੰਡ (7-11) ਸਾਰ / ਵਿਸ਼ਾ ਵਸਤੂ / ਨਾਇਕ ਬਿੰਬ
3	March		ਚਿੱਠੀ ਪੱਤਰ ਅਖਾਣ, ਮੁਹਾਵਰੇ
4	April		ਵਿਆਕਰਨ - ਸ਼ਬਦ ਸ਼੍ਰੇਣੀਆਂ - ਨਾਂਵ, ਪੜਨਾਂਵ, ਵਿਸ਼ੇਸ਼ਣ, ਕਿਰਿਆ ਵਿਸ਼ੇਸ਼ਣ, ਸੰਬੰਧਕ, ਯੋਜਕ, ਵਿਸਮਿਕ, ਸ਼ਬਦ ਰਚਨਾ ਸੰਬੰਧੀ ਪ੍ਰਸ਼ਨ ਉੱਤਰ

Daljit Kaur
Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Session/ Year : 2024-2025 (Even Semester)

Name of the Department: Punjabi

Name of the Teacher: Daljit Kler

Class: B.A. II Semester - IV

Subject: General Punjabi

Sr. No.	Month	Unit	Lesson Plan
1	January		ਮੇਰੀ ਜੀਵਨ ਗਾਥਾ - ਸ੍ਵੈਜੀਵਨੀ ਨਾਇਕ ਬਿੰਬ, ਸ੍ਵੈਜੀਵਨੀ ਦੇ ਤੱਤ ਤੇ ਪਰਖ / ਵਾਰਤਕ ਸ਼ੈਲੀ
2	February		ਫ਼ਾਸਲੇ ਨਾਟਕ : ਜਤਿੰਦਰ ਬਰਾੜ ਵਿਸ਼ਾ / ਸਾਰ / ਨਾਟਕ ਕਲਾ
3	March		ਲੇਖ ਰਚਨਾ - ਸਮਾਜਕ, ਸਭਿਆਚਾਰਕ, ਇਤਿਹਾਸਕ ਅਖ਼ਬਾਰ ਨੂੰ ਇਸ਼ਤਿਹਾਰ (ਨਿੱਜੀ, ਦਫ਼ਤਰੀ)
4	April		ਵਿਆਕਰਨ - ਪੈਰ੍ਹੇ ਵਿਚੋਂ ਅਸ਼ੁੱਧ ਸ਼ਬਦ - ਜੋੜਾਂ ਨੂੰ ਸ਼ੁੱਧ ਕਰਨਾ, ਗੁਰਮੁਖੀ ਲਿਪੀ ਦੀਆ ਵਿਸ਼ੇਸ਼ਤਾਵਾ ਸਬੰਧੀ ਪ੍ਰਸ਼ਨ ਉੱਤਰ

Daljit Kler
Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Session/ Year : 2024-2025 (Even Semester)

Name of the Department: Punjabi

Name of the Teacher: Daljit Kaur

Class: B.A. VI Semester

Subject: General Punjabi

Sr. No.	Month	Unit	Lesson Plan
1	January		ਰਾਇ ਗੋਸ਼ਟ (ਪਹਿਲੇ ਹੇ ਕਹੀ) ਪ੍ਰਸੰਗ ਸਹਿਤ ਵਿਆਖਿਆ / ਵਿਸ਼ਾ ਵਸਤੂ / ਸਾਰ
2	February		ਪਰਤੀਆਂ ਦੇ ਗੀਤ (ਸਫ਼ਰਨਾਮਾ) ਧਰਮਜੀਤ ਸਿੰਘ ਹਮਦਰਦ - ਲੇਖਕ ਦਾ ਜੀਵਨ ਤੇ ਰਚਨਾ / ਸਮਾਜ ਸਭਿਆਚਾਰਕ ਪਰਿਪੇਖ / ਸਫ਼ਰਨਾਮੇ ਦੇ ਤੱਤ ਤੇ ਪੰਥ
3	March		ਲੇਖ ਰਚਨਾ - ਵਿਗਿਆਨ, ਤਕਨਾਲੋਜੀ ਅਤੇ ਬਦਲਦੇ ਸਮਾਜਿਕ ਸੰਦਰਭ ਆਧੁਨਿਕ ਸਾਹਿਤ ਦੇ ਰੂਪ - ਕਵਿਤਾ, ਕਹਾਣੀ, ਨਾਵਲ, ਨਾਟਕ, ਵਿਅੰਗ
4	April		ਵਿਆਕਰਣ - ਵਿਆਕਰਣਕ ਸ਼ਬਦ ਜੋੜ: ਲਿੰਗ ਅਤੇ ਵਚਨ, ਕਾਲ ਰੂਪ ਅਤੇ ਕਿਰਿਆ ਰੂਪ - ਪਰਿਭਾਸ਼ਾ, ਵਰਗੀਕਰਨ ਤੇ ਪ੍ਰਕਾਰ

Daljit Kaur
Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Session/ Year : **2024-2025 (Odd Semester)**

Name of the Department: **Commerce**

Name of the Teacher **Dr. Bikram Singh Virk**

Class: **B.Com- 5th Semester**

Subject: **Direct Tax Laws**

Sr.No.	Month	Unit	Lesson Plan
1	**August**	A	Income Tax Act 1961: Basic Introduction, Brief history of Income Tax in India, Scope of the Act, Meaning of Income Tax; Concept of Income Tax; Assessment year, Previous year; Assessee; Person; Agricultural Income with examples; Residential status and Tax Liability.
2	**September**	B	Heads of Income Computation of Income from Salary inclusive of salary components Allowances; perquisites; profit in lieu of salary and deductions, Income from House Property or allowable deductions, profits and gains from Business and Profession
3	**October**	C & D	Income from Short term and long term capital gains; income from other sources. Computation of Gross Total Income and Total Income and the tax liability of a salaried individual.
4	**November**	D	Deductions from the Gross Total Income of individuals. Tax Deduction at Source .

Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Session/ Year : **2024-2025 (Odd Semester)**

Name of the Department: **Commerce**

Name of the Teacher **Dr. Bikram Singh Virk**

Class: **M.Com- 1st Semester**

Subject: **Mgt Principles & Organisational Behaviour**

Sr.No.	Month	Unit	Lesson Plan
1	August	C	Organisational Behaviour (OB): Meaning, Importance, Challenges and Opportunities for OB. Personality: Concept and determinants Attitudes: Sources and types, Cognitive dissonance theory
2	September	D	Emotions: Nature and Types, Sources of Emotions, Managing Emotions at work, Emotional Intelligence: concept and Dimensions. Perception: Nature and significance of perception, Factors influencing perception, perceptual process, Perceptual Distortions and Improving Perception.
3	October	B	Motivation: Concept and various theories of Motivation: McGregor's theory X and theory Y, Maslow's Hierarchy of Needs theory, Alderfer's ERG theory, Herzber's Motivation–Hygiene theory, McCelelland's Needs theory of Motivation, Adam's Equity theory, Vroom's Expectancy theory and Porter and Lawler's Model of Motivation. Leadership: Concept and various theories of Leadership: The Michigan Studies, The Ohio State Leadership Studies, Tannenbaum and Schmidt's Leadership Pattern, Fiedler's Contingency theory, Path–Goal theory, Likert's System four, The Managerial Grid, Charismatic Leadership, Transactional and Transformational Leadership.
4	November	A	Management: Definition, Nature and Purpose; Functions of Managers, Managerial Skills and Roles. Planning: Concept and Importance, Types, Steps in Planning, Limitations of Planning and Planning Premises. Management by Objectives (MBO): Concept, Objective setting process, Benefits and Weaknesses of MBO. Organizing: Nature and Types of Organizations; Departmentation; Span of Management; Centralization and Decentralization; Line and Staff Authority; Authority and Responsibility; Committees: Nature, Advantages and Disadvantage of Committees.

Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Session/ Year : **2024-2025 (Odd Semester)**

Name of the Department: **Commerce**

Name of the Teacher **Dr. Bikram Singh Virk**

Class: **M.Com- 3rd Semester**

Subject: **Consumer Behaviour**

Sr.No.	Month	Unit	Lesson Plan
1	**August**	A	Introduction to Consumer Behaviour: Nature, Scope and Importance. Consumer Motivation: Nature of motivation; Types of consumer needs and motives; Dynamics of motivation; Need conflict; Need Hierarchy Theory of Motivation and its applications; Measurement of Motives. Personality and Consumer Behaviour: Definition of personality; Theories of personality; Personality and consumer diversity; Self concept and self image; **Life** style and psychographics.
2	**September**	B	Consumer Perception: Elements of perception; Dynamics of perception, Perceptual process; Perception and marketing strategy; Perceived risk. Consumer Learning: Elements of consumer learning; Behavioural theories and Cognitive theories of learning. Consumer Attitude Formation: Definition of attitudes; Structural models of attitudes; Attitude Theories; Attitude formation; Strategies of attitude change; Measuring Attitude.
3	**October**	C	Reference Group and Family Influences: Power of reference groups; Types of consumer related reference groups; Celebrity and other reference group appeals; Family decision making and consumption related roles; Family life cycle. Social Class: Definition; Measurement of social class; Social class dynamics. Cultural and Sub cultural Influences on Consumer Behaviour: Definition of culture and subculture; Effect of culture on consumer behaviour; Nature of culture; Measurement of culture; Subculture and consumer behaviour; sub-cultural categories.
4	**November**	D	Diffusion of Innovation; Diffusion process; Adoption process. Opinion Leadership: Definition; Dynamics of the opinion leadership process; Motivation behind opinion leadership Consumer Decision Making: Consumer decision process; Types of decisions; Information search process; Alternative evaluation and selection; Decision rules. Models of Consumer Behaviour: E.K.B; Howard and Sheth; Nicosia's Model.

Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Name of the Department: **Commerce**

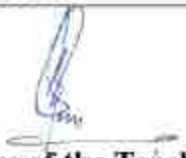
Class: **B.Com 6th Semester**

Subject: **Workshop on Basics of stock markets**

Name of the Teacher: **Dr. Bikram Singh Virk**

Session/Year: **2024-25 (EVEN)**

S. No.	Month	Unit	Lesson Plan
1.	January		**Investment Foundation: Investment-Meaning, Objectives, Characteristics, Gambling, Speculation & Trading. Investment Alternatives: Bank Deposits, Post Office saving schemes, Equity shares, Preference Shares, Debentures.**
2.	February		**Exchanges in India – NSE, BSE, MCX- their organization & management. Depositories-Introduction, Role, Importance, Dematerialization,**
3.	March		**DEMAT Account-Account Opening Formalities, Expenses. Orders & Margins – All types. Security Analysis-Introduction to Fundamental analysis and Technical analysis. Understanding Business News Channels.**
4.	April		**Trading at Stock Exchange- Live online Trading, Clearing and settlement, Contract Note and Trading Costs.** **PREPARATION OF PROJECT REPORT ON ONE STOCK BY EACH STUDENT**



Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Name of the Department: **Commerce**

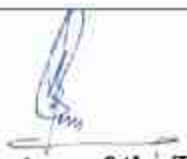
Class: **M.Com 2nd Semester**

Subject: **Marketing Management**

Name of the Teacher: **Dr. Bikram Singh Virk**

Session/Year: 2024-25 (EVEN)

S. No.	Month	Unit	Lesson Plan
1.	January	A	• Marketing Concepts and Philosophies, Importance of marketing, • Building customer satisfaction and value, Concepts of customer retention, Relationship marketing and marketing mix.
2.	February	B	• Gathering information and scanning the marketing environment; • Marketing research process: An overview. • Consumer markets and Buyer behaviour, Business markets and Business Buying behaviour. • Market segmentation: Importance and bases of segmentation. Targeting strategies, Positioning: concept and strategies.
3.	March	C	• Product Decisions: Product classification and differentiation, New Product development process, Product life cycle and marketing strategies, • Managing brands and Brand equity, Packaging decisions. • Pricing Decisions: Pricing objectives, Factors influencing pricing, Pricing methods and strategies.
4.	April	D	• Distribution Decisions: Patterns of Channels and types of intermediaries. • Promotion Decisions: Promotion mix and its components, factors affecting promotion mix. • Socially Responsible Marketing: Cause-related marketing and Social Marketing, Internal Marketing, • Ecommerce Marketing practices.



Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Name of the Department: **Commerce**

Class: **M.Com 2nd Semester**

Subject: **Human Resource Management**

Name of the Teacher: **Dr. Bikram Singh Virk**

Session/Year: 2024-25 (EVEN)

S. No.	Month	Unit	Lesson Plan
1.	January	A	Human Resource Management (HRM): Nature, Scope, Objectives and Functions of HRM, Evolution of HRM, Changing Trends in HRM. Human Resource Planning (HRP): Concept, Need and Importance of HRP, Factors affecting HRP, Human Resource Planning Process. Job Analysis: Meaning and Objective, Process, Methods of Collecting job data, Uses of Job Analysis, Problems of Job Analysis.
2.	February	B	Recruitment and Selection: Meaning and Factors governing Recruitment, Recruitment Sources and Techniques. Meaning and Process of Selection, Problems associated with Recruitment and Selection. HR Training and Development: Concept and Need, Process of Training and Development Programme:- Identification of Training and Development Needs, Objectives, Strategy & Designing of Training and Development, Implementation and Methods of Training Programme and Levels of Training Evaluation, Impediments to Effective Training.
3.	March	C	Performance Appraisal: Meaning, Purpose, Essentials of Effective Performance Appraisal System, Various Components of Performance Appraisal, Methods and Techniques of Performance Appraisal. Managing Compensation and Employee Remuneration: Concept, Objectives, Components of Employee Remuneration, Factors Influencing Employee Remuneration, Challenges of Remuneration.
4.	April	D	Job Evaluation: Meaning, Process and Methods of Job Evaluation. • Incentives: Concept, Importance and Process of Incentive • Grievance Handling: Meaning, Process, Grievance handling machinery. • Discipline: Meaning, reasons of indiscipline, consequences of indiscipline and approach to maintain discipline.

Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Name of the Department: **Commerce**

Class: **M.Com 4th Semester**

Subject: **Corporate Tax Planning**

Name of the Teacher: **Dr. Bikram Singh Virk**

Session/Year: 2024-25 (EVEN)

S. No.	Month	Unit	Lesson Plan
1.	January	A	Tax Planning, Tax Avoidance & Tax Evasion: Meaning, features and basic differences between tax planning, avoidance and evasion; various tools of tax evasion; Tax Management and its scope.
2.	February	B	Corporate Tax: Residential status of a company, Computation of total income and tax liability of companies, Minimum alternate tax. • Deductions from Gross Total Income u/s 80 related to company assesse. • Tax deduction or collection at source, Advance payment of tax. • Tax Planning for New Business with reference to location and type of business. • Tax Planning in relation to Forms of Organisation: Sole Proprietary; Partnership and Company form of Organisation from tax planning point of view.
3.	March	C	Tax incentives to Newly Established Industrial Undertakings: In Special Economic Zones u/s 10 AA and for exporters. • Tax planning in respect of Amalgamation or Demerger. • Tax Planning and Financial Management Decisions: Tax Planning relating to Capital structure decisions, Dividend Policy, Inter-Corporate Dividend and Bonus shares.
4.	April	D	• Tax Planning and Management Decisions: Own or Lease Decision, Make or Buy Decision, Sale of Asset used for Scientific Research, Decision relating to Repair, Replace, Renovation of an Asset, Shut-down or Continue Decision. • Taxability of Dividend from Company and investors point of view. • Avoidance of Double Taxation

Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Session/ Year : 2024-2025 (Odd Semester)

Name of the Department: Punjabi

Name of the Teacher: Daljit Kaur

Class: B.A I Semcster

Subject: General Punjabi

Sr. No.	Month	Unit	Lesson Plan
1	August	ਏ ਭਾਗ	ਕਵਿਤਾ ਭਾਗ (1-5) ਕਵੀ ਦੀ ਜੀਵਨ ਰਚਨਾ, ਪ੍ਰਸੰਗ ਸਹਿਤ ਵਿਆਖਿਆ / ਸਾਰ / ਵਿਸ਼ਾ ਵਸਤੂ
2	September		ਕਵਿਤਾ ਭਾਗ (6-10) ਕਵੀ ਦੀ ਜੀਵਨ ਰਚਨਾ, ਪ੍ਰਸੰਗ ਸਹਿਤ ਵਿਆਖਿਆ / ਸਾਰ / ਵਿਸ਼ਾ ਵਸਤੂ
3	October		ਪੰਜਾਬ ਦੇ ਮਹਾਨ ਕਲਾਕਾਰ - (1-6) ਜੀਵਨੀ ਮੂਲਕ ਵਿਸ਼ਾ ਵਸਤੂ / ਨਾਇਕ ਬਿੰਬ ਪੰਜ ਪਤੂ ਦੇ ਪ੍ਰਸ਼ਨਾਂ ਦੇ ਉੱਤਰ
4	November		ਵਿਆਕਰਣ - ਭਾਸ਼ਾ ਦਾ ਟਕਸਾਲੀ ਰੂਪ / ਭਾਸ਼ਾ ਤੇ ਉਪਭਾਸ਼ਾ ਵਿੱਚ ਅੰਤਰ / ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੇ ਨਿਕਾਸ ਵਿਕਾਸ ਸੰਬੰਧੀ ਪ੍ਰਸ਼ਨ ਉੱਤਰ

Daljit Kaur
Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Session/ Year : 2024-2025 (Odd Semester)

Name of the Department: Punjabi

Name of the Teacher: Daljit Kaur

Class: B.A III Semester

Subject: General Punjabi

Sr. No.	Month	Unit	Lesson Plan
1	August		ਸਭਿਆਚਾਰ ਅਤੇ ਪੰਜਾਬੀ ਸਭਿਆਚਾਰ (1–8) ਵਿਸ਼ਾ ਵਸਤੂ / ਸਾਰ
2	September		ਆਧੁਨਿਕ ਇਕਾਂਗੀ ਵਿਸ਼ਾ ਵਸਤੂ / ਪਾਤਰ ਚਿਤਰਨ / ਰੰਗ-ਮੰਚੀ ਪੱਖ
3	October		ਵਿਆਕਰਨ - ਸ਼ਬਦ ਵਿਆਕਰਨਕ ਇਕਾਈਆਂ - ਪਰਿਭਾਸ਼ਾ ਅਤੇ ਵਰਗੀਕਰਨ (ਭਾਵੰਸ਼, ਸ਼ਬਦ, ਵਾਕੰਸ਼, ਉਪਵਾਕ ਅਤੇ ਵਾਕ)
4	November		ਸੰਖੇਪ ਰਚਨਾ (ਪ੍ਰੈਸੀ) ਦਿੱਤੇ ਪੈਰ੍ਹੇ ਵਿਚੋਂ ਅਸ਼ੁੱਧ ਸ਼ਬਦ-ਜੋੜਾਂ ਨੂੰ ਸ਼ੁੱਧ ਕਰਨਾ। ਸਿਰਲੇਖ ਦਾ ਅਭਿਆਸ

Daljit Kaur
Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Session/ Year : 2024-2025 (Odd Semester)

Name of the Department: Punjabi

Name of the Teacher: Daljit Kaur

Class: B. A III (5th Semester

Subject: General Punjabi

Sr. No.	Month	Unit	Lesson Plan
1	August		ਚੋਣਵੀਆਂ ਪੰਜਾਬੀ ਕਹਾਣੀਆਂ - (1-10) ਸਾਰ / ਵਿਸ਼ਾ
2	September		ਨਾਵਲ - ਏਹ ਹਮਾਰਾ ਜੀਵਣਾ (ਦਲੀਪ ਕੌਰ ਟਿਵਾਣਾ) ਸਾਰ / ਵਿਸ਼ਾ ਵਸਤੂ / ਪਾਤਰ ਚਿਤਰਨ
3	October		ਵਿਆਕਰਣ - ਧੁਨੀ ਵਿਉਂਤ, ਕਾਰਕ ਤੇ ਕਾਰਕੀ ਸੰਬੰਧੀ, ਵਾਕਾਤਮਕ ਜੁਗਤਾਂ - ਸ਼ਬਦ ਅਤੇ ਅਧਿਕਾਰ ਸੰਬੰਧੀ ਪ੍ਰਸ਼ਨ ਉੱਤਰ
4	November		ਪੰਜਾਬੀ ਵਿੱਚ ਅਨੁਵਾਦ, ਪੈਰਾ ਰਚਨਾ ਸਿਰਲੇਖ ਦਾ ਅਭਿਆਸ

Daljit Kaur
Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Session/ Year : 2024-2025 (Even Semester)

Name of the Department: Punjabi

Name of the Teacher: Daljit Kaur

Class: B.A II Semester Section (A+C)

Subject: General Punjabi

Sr. No.	Month	Unit	Lesson Plan
1	January		ਦੋ ਰੰਗ - ਕਹਾਣੀ ਭਾਗ (1-10) ਕਹਾਣੀਆਂ ਸਾਰ / ਵਿਸ਼ਾ ਵਸਤੂ
2	February		ਪੰਜਾਬ ਦੇ ਮਹਾਨ ਕਲਾਕਾਰ - ਜੀਵਨੀ ਖੰਡ (7-11) ਸਾਰ / ਵਿਸ਼ਾ ਵਸਤੂ / ਨਾਇਕ ਬਿੰਬ
3	March		ਚਿੱਠੀ ਪੱਤਰ ਅਖਾਣ, ਮੁਹਾਵਰੇ
4	April		ਵਿਆਕਰਨ - ਸ਼ਬਦ ਸ਼੍ਰੇਣੀਆਂ - ਨਾਂਵ, ਪੜਨਾਂਵ, ਵਿਸ਼ੇਸ਼ਣ, ਕਿਰਿਆ ਵਿਸ਼ੇਸ਼ਣ, ਸੰਬੰਧਕ, ਯੋਜਕ, ਵਿਸਮਿਕ, ਸ਼ਬਦ ਰਚਨਾ ਸੰਬੰਧੀ ਪ੍ਰਸ਼ਨ ਉੱਤਰ

Daljit Kaur
Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Session/ Year : 2024-2025 (Even Semester)

Name of the Department: Punjabi

Name of the Teacher: Daljit Kaur

Class: B.A. II Semester - IV

Subject: General Punjabi

Sr. No.	Month	Unit	Lesson Plan
1	January		ਮੇਰੀ ਜੀਵਨ ਗਾਥਾ - ਸ੍ਵੈਜੀਵਨੀ ਨਾਇਕ ਬਿੰਬ, ਸ੍ਵੈਜੀਵਨੀ ਦੇ ਤੌਰ ਤੇ ਪਰਖ / ਵਾਰਤਕ ਸ਼ੈਲੀ
2	February		ਫ਼ਾਸਲੇ ਨਾਟਕ : ਜਤਿੰਦਰ ਬਰਾੜ ਵਿਸ਼ਾ / ਸਾਰ / ਨਾਟਕ ਕਲਾ
3	March		ਲੇਖ ਰਚਨਾ - ਸਮਾਜਕ, ਸਭਿਆਚਾਰਕ, ਇਤਿਹਾਸਕ ਅਖ਼ਬਾਰ ਨੂੰ ਇਸ਼ਤਿਹਾਰ (ਨਿੱਜੀ, ਦਫ਼ਤਰੀ)
4	April		ਵਿਆਕਰਨ - ਪੈਰ੍ਹੇ ਵਿਚੋਂ ਅਸ਼ੁੱਧ ਸ਼ਬਦ - ਜੋੜਾਂ ਨੂੰ ਸ਼ੁੱਧ ਕਰਨਾ, ਗੁਰਮੁਖੀ ਲਿਪੀ ਦੀਆਂ ਵਿਸ਼ੇਸ਼ਤਾਵਾਂ ਸੰਬੰਧੀ ਪ੍ਰਸ਼ਨ ਉੱਤਰ

Daljit Kaur
Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Session/ Year : 2024-2025 (Even Semester)

Name of the Department: Punjabi

Name of the Teacher: Daljit Kaur

Class: B.A. VI Semester

Subject: General Punjabi

Sr. No.	Month	Unit	Lesson Plan
1	January		ਰਾਇ ਗੋਸ਼ਟ (ਪਹਿਲੇ ਹੇ ਕਹੀ) ਪ੍ਰਸੰਗ ਸਹਿਤ ਵਿਆਖਿਆ / ਵਿਸ਼ਾ ਵਸਤੂ / ਸਾਰ
2	February		ਪਰਤੀਆਂ ਦੇ ਗੀਤ (ਸਫ਼ਰਨਾਮਾ) ਧਰਮਜੀਤ ਸਿੰਘ ਹਮਦਰਦ - ਲੇਖਕ ਦਾ ਜੀਵਨ ਤੇ ਰਚਨਾ / ਸਮਾਜ ਸਭਿਆਚਾਰਕ ਪਰਿਪੇਖ / ਸਫ਼ਰਨਾਮੇ ਦੇ ਤੱਤ ਤੇ ਪੰਥ
3	March		ਲੇਖ ਰਚਨਾ - ਵਿਗਿਆਨ, ਤਕਨਾਲੋਜੀ ਅਤੇ ਬਦਲਦੇ ਸਮਾਜਿਕ ਸੰਦਰਭ ਆਧੁਨਿਕ ਸਾਹਿਤ ਦੇ ਰੂਪ - ਕਵਿਤਾ, ਕਹਾਣੀ, ਨਾਵਲ, ਨਾਟਕ, ਵਿਅੰਗ
4	April		ਵਿਆਕਰਣ - ਵਿਆਕਰਣਕ ਸ਼ਬਦ ਜੋੜ: ਲਿੰਗ ਅਤੇ ਵਚਨ, ਕਾਲ ਰੂਪ ਅਤੇ ਕਿਰਿਆ ਰੂਪ - ਪਰਿਭਾਸ਼ਾ, ਵਰਗੀਕਰਨ ਤੇ ਪ੍ਰਕਾਰ

Daljit Kaur
Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Session/ Year : 2024-2025 (Odd Semester)

Name of the Department: PG Department of Commerce

Name of the Teacher: Dr. Jasvinderjit Kaur

Class: B.Com IIIrd Year (Vth Semester)

Subject: Auditing (BCG–505)

Sr.No.	Month	Unit	Lesson Plan
1	August		----------
2	September		----------
3	October	SECTION-C SECTION-D	Vouching vs. Verification, Verification – Valuation of different asset and liabilities. Audit of Limited Companies: Company Auditor – Qualifications and disqualifications, Appointment, Removal, Remuneration, Rights, Duties and Liabilities **MST**
4	November	SECTION-D	Audit Committee, Auditor's Report –Contents and Types, Auditor's certificates Special Areas of Audit: Tax audit and Management audit, Recent Trends in Auditing **Revision of the whole syllabus.**

Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Session/ Year : 2024-2025 (Odd Semester)

Name of the Department: PG Department of Commerce

Name of the Teacher: Dr. Jasvinderjit Kaur

Class: B.Com IIIrd Year (Vth Semester)

Subject: Contemporary Accounting (BCG–511)

Sr.No.	Month	Unit	Lesson Plan
1	August		----------
2	September		----------
3	October	SECTION-C SECTION-D	Value Added Reporting: Preparation and Disclosure of Value Added Statements, Economic Value Added, EVA Disclosure in India, Basel II and III Norms. Contemporary Issues In Management Accounting: Target Costing. **MST**
4	November	SECTION-D	Accounting Standards in India: Significance and formulation of Accounting Standards, Accounting Standards relating to Interim Reporting, Accounting for Leases, Earning Per Share, and Accounting for Intangibles. **Revision of the whole syllabus.**

Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Session/ Year : 2024-2025 (Odd Semester)

Name of the Department: PG Department of Commerce

Name of the Teacher: Dr. Jasvinderjit Kaur

Class: M.Com Ist Year (Ist Semester)

Subject: Management Accounting and Control Systems (MCO01006T)

Sr.No.	Month	Unit	Lesson Plan
1	August		----------
2	September		----------
3	October	SECTION-C SECTION-D	Marginal Costing and Break–even Analysis: Concept of marginal cost, Marginal costing and absorption costing, Marginal costing versus direct costing, Cost–volume profit analysis, Break–even analysis, Assumptions and practical applications of breakeven–analysis, Decisions regarding sales–mix, make or buy decisions and discontinuation of a product line etc. Segment Performance Evaluation: Traditional measures of evaluation, Economic Value Added, Balanced Score Card Analyzing Financial Statements: Horizontal, Vertical and Ratio analysis. **MST**
4	November	SECTION-D	Contemporary Issues in Management Accounting: Value chain analysis, Activity based costing, Quality costing, Target Costing. Reporting to Management: Objectives of reporting, reporting needs at different managerial levels, Types of reports, modes of reporting, reporting at different levels of management. **Revision of the whole syllabus.**

Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Session/ Year : 2024-2025 (Odd Semester)

Name of the Department: PG Department of Commerce

Name of the Teacher: Dr. Jasvinderjit Kaur

Class: M.Com IInd Year (IIIrd Semester)

Subject: Security Analysis and Portfolio Management (MCO03003T)

Group: Accounting and Finance

Sr.No.	Month	Unit	Lesson Plan
1	August		----------
2	September		----------
3	October	SECTION-B	Fundamental Analysis : Concept & significance of economic analysis, industry analysis: introduction, need for industry analysis: alternative classification of industry, industry life cycle analysis, economic factors & industry analysis, SWOT analysis for industries, Company analysis-nature and style of management, key role of financial analysis and ratio analysis. **MST**
4	November	SECTION-B	Technical Analysis: Different techniques of analysis, DOW theory, volume indicators, market sentiment indicators, confidence indicators, points & figure charting and bar charting. **Revision of Section A and B.**

Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Session/ Year : 2024-2025 (Odd Semester)

Name of the Department: PG Department of Commerce

Name of the Teacher: Dr. Jasvinderjit Kaur

Class: M.Com IInd Year (IIIrd Semester)

Subject: Contemporary Accounting (MCO03004T)

Group: Accounting and Finance

Sr.No.	Month	Unit	Lesson Plan
1	August		----------
2	September		----------
3	October	SECTION-C SECTION-D	Recent Trends in the Presentation of Published Accounts. Reporting by Diversified Companies. Value Added Reporting: Preparation and Disclosure of Value Added Statements, Economic Value Added, EVA Disclosure in India. Corporate Reporting through Web. Accounting Standards in India. Significance and formulation of Accounting Standards. **MST**
4	November	SECTION-D	Accounting Standards relating to Interim Reporting. Accounting for Leases, Earning Per Share, and Accounting for Intangibles. **Revision of the whole syllabus.**

Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Session/ Year : 2024-2025 (Even Semester)

Name of the Department: PG Department of Commerce

Name of the Teacher: Dr. Jasvinderjit Kaur

Class: B.Com IInd Year (IVth Semester)

Subject: Goods & Services Tax (GST) (BCO04005T)

Sr.No.	Month	Unit	Lesson Plan
1	January	SECTION-A	GST Act 2017: Overview, Constitutional aspects, Implementation, Liability of Tax Payer, GST Council, Brief Introduction to IGST, CGST, SGST and UGST. Levy and collection. Exemption from GST: Introduction, Composition Scheme and remission of Tax.
2	February	SECTION-B	Registration: Introduction, Registration Procedure, Special Persons, Amendments, Cancellation. Supply: Concept, including composite supply, mixed supply, interstate supply, intra-state supply, supply in territorial waters, place and time of supply. **Class Tests**
3	March	SECTION-C	Input Tax Credit: Introduction, Tax Invoice Credit & Debit notes, e-way bill. Computation of GST Liability and Payment including time, method of making payment, challan generation, CPIN, TDS &TCS. Reverse charge. **Class Tests**
4	April	SECTION-D	Returns: various returns to be filed by the assessee. GST Portal: Introduction, GST Eco-system, GST Suvidha Provider (GSP), Uploading Invoices. **Revision of the whole syllabus and Class Tests.**

Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Session/ Year : 2024-2025 (Even Semester)

Name of the Department: PG Department of Commerce

Name of the Teacher: Dr. Jasvinderjit Kaur

Class: B.Com IInd Year (IVth Semester)

Subject: Principles and Practices of Banking and Insurance (BCO04007T)

Sr.No.	Month	Unit	Lesson Plan
1	January	SECTION-C	Insurance: Concept, Principles and its relevance in developing country like India. Attitude towards the insurance cover.
2	February	SECTION-C	Life Insurance: Nature & use of Life Insurance – distinguishing characteristics of life insurance contracts. **Class Tests**
3	March	SECTION-D	Origin and growth of non-life insurance: Salient features of insurance Act & IRDA Act. **Class Tests**
4	April	SECTION-D	Features of some policies of life insurance & general insurance. Progress in privatization of insurance sector. **Revision of Section C and Section D and Class Tests.**

Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Session/ Year : 2024-2025 (Even Semester)

Name of the Department: PG Department of Commerce

Name of the Teacher: Dr. Jasvinderjit Kaur

Class: B.Com IIIrd Year (VIth Semester)

Subject: Portfolio Management (BCG 611)

Group: Accounting and Finance

Sr.No.	Month	Unit	Lesson Plan
1	January	SECTION-A	Portfolio Theory: Merits of Diversification: Diversification and Portfolio Risk, Portfolio Return and Risk, Calculation of Portfolio Risk, Optimal Portfolio. Portfolio Selection: Concept of Portfolio Selection, Optimal Portfolio, Objectives, Risk and Investor Preferences, Investment Constraints, Cut–off Rate and New Securities.
2	February	SECTION-B	Efficient Frontier and Portfolio Selection. Portfolio Revision: Meaning, Need, Techniques of Portfolio Revision, Formula Plans, Rules regarding Formula Plans, Constant Rupee Value Plan, Constant Ratio Plan, Variable Ratio Plan, Modifications, Rupee Averaging Technique. **Class Tests**
3	March	SECTION-C	Introduction to Investment Management: Concept and objectives of investment, Difference between Investment and Speculation, Investment and Gambling, Meaning of Investment Management, Investment Management Process, Investment Alternatives, Features of Investment Avenues, Types of Management Strategies, Approaches to Investment. **Class Tests**
4	April	SECTION-D	Economic and Industry Analysis: Macro–Economic Analysis, Forecasting, Industrial Analysis, Sensitivity of Business Cycle, Industry Life Cycle Analysis, Porter Model of Assessment of Profit Potential of Industries. **Revision of the whole syllabus and Class Tests.**

Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Session/ Year : 2024-2025 (Even Semester)

Name of the Department: PG Department of Commerce

Name of the Teacher: Dr. Jasvinderjit Kaur

Class: M.Com IstYear (IInd Semester)

Subject: Corporate Financial Accounting and Auditing (MCO02001T)

Sr.No.	Month	Unit	Lesson Plan
1	January	SECTION-A	Company Final Accounts–Requirements of Companies Act, 2013. Form and contents of Profit and loss account statement and balance sheet. Managerial Remuneration: Meaning of profit. Divisible profits.
2	February	SECTION-B	Valuation of goodwill, different approaches such as super profit, annuity and capitalization approach. Valuation of shares, different approaches such as book value and earnings approach. **Class Tests**
3	March	SECTION-C	Understanding the concept and rationale of Financial Audit, Cost Audit, Management Audit, Internal Audit, Proprietary Audit, Efficiency Audit and Audit by CAG. Statutory Auditor–Appointment qualifications, removal, Duties and liabilities of auditor. Code of conduct and ethics, professional misconduct of statutory auditor. **Class Tests**
4	April	SECTION-D	Meaning, Objectives and scope of cost audit. Cost Auditor, his appointment, duties liabilities. Cost audit report; Meaning, objectives and scope of management audit. Appointment and qualifications of management Auditor. Audit of management functions such as planning, organizing and control. Audit of functional areas–production, personnel marketing finance and accounting. **Revision of the whole syllabus and Class Tests.**

Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Session/ Year : 2024-2025 (Even Semester)

Name of the Department: PG Department of Commerce

Name of the Teacher: Dr. Jasvinderjit Kaur

Class: M.Com IInd Year (IVth Semester)

Subject: International Accounting (MCO04001T) Group: Accounting and Finance

Sr.No.	Month	Unit	Lesson Plan
1	January	SECTION-A	Introduction to International Accounting: Interaction between accounting And its environment. The global economy. Meaning and domain of international accounting. International classification of financial accounting and reporting. International financial reporting: concept and differences in international financial reporting. Reporting problems of Multinational Companies.
2	February	SECTION-B	International financial analysis: meaning, need and significance of international financial analysis. Business analysis framework. Problems in international financial analysis. Comparative financial reporting in U.S.A., U.K., China, Japan and India. International harmonization of financial reporting: why harmonization? Role of IASB, OECD, EU and IOSCO (International Organization of Securities Commissions). **Class Tests**
3	March	SECTION-C	Convergence of accounting standards. International transfer pricing: meaning, objectives, methods and regulation. Accounting for foreign currency transactions and translation: approaches to accounting for foreign currency transactions, methods of foreign currency translation. Practices in various countries. **Class Tests**
4	April	SECTION-D	Issues related to consolidation of financial statements of MNCs. International taxation: diversity of national tax systems, taxation of foreign source income and double taxation. Strategic accounting issues in MNCs: strategy formulation, implementation and control. Evaluating the performance of foreign operations. **Revision of the whole syllabus and Class Tests.**

Signature of the Teacher

Nawab Jassa Singh Ahluwalia Government College, Kapurthala

Distribution of Syllabus & Lesson Plan

Name of the Department: Economics

Class: M.A.I (Sem. I)

Name of the Teacher: Ms. Geeta Rani

Subject: Quantitative Methods for Economists - I

Session/Year: 2024-25 Odd Semester

Sr. No.	Month	Unit	Lesson Plan
1	August	I	Concepts of function – Types, Rules of Differentiation, Application to revenue, cost and demand, supply functions, Elasticities and their types, Production function, Rules of Partial differentiation, Homogeneous function and Euler's Theorem
2	September	II	Problem of maxima and minima in single and multivariable functions, Unconstrained and constrained problems, Applications in market equilibrium, Integration : Simple rules, Applications to Consumer's Surplus and producer's surplus.
3	October	III & IV	Linear Programming – Formulation, Graphic and Simplex method, Formulation of dual of primal – Interpretation, Shadow prices, Concept of duality, Concept of a game, Pure and Mixed Strategy, Saddle Point solution, Simple applications, Concept of quadratic form, Eigen roots and vectors, Introduction to Input-output analysis.
4	November	III	Determinants and Properties, Solution of equations through Cramer's rule, Concept of matrix – Types, Simple Operations of matrices, matrix inversion and rank of a matrix

Geeta

Signature of the HOD/Teacher

Distribution of Syllabus and Lesson Plan

Session/ Year : 2024-2025 (Odd Semester)

Name of the Department: Economics

Name of the Teacher: Ms. Geeta Rani

Class: M. Com. I

Subject: Business Environment

Sr. No.	Month	Unit	Lesson Plan
1	August	I	Salient Features of Economic Systems : Capitalist, Socialist and Mixed Economy, Features of Indian Economy, Government Business Relationship Business Environment – Meaning, Type, Micro + Macro Economic Reforms – Liberalisation, Privatization Globalization and Its Implication for India
2	September	II	NITI Aayog ; objectives, Functions & Role Economic Planning in India – Objectives, Strategies and Evaluation of 8th Plan and XI th Plan Social Responsibility of Business – Concept, Rationale, dimensions, Model and Barriers of SR
3	October	III	Deficit Financing – Implications for India Analysis of current year annual Budget Industrial Policy changes during Post Reforms Fiscal and Monetary Policy changes in India, Salient features of FEMA
4	November	IV	Consumer Rights and Consumerism – Consumer Protection Act 1986, Foreign Trade – BOP BOT, Foreign Trade Policy 2009–14, EXIM Policy Demonetization – Concept, Impact on the Indian Economy.

Signature of the Teacher

Nawab Jassa Singh Ahluwalia Government College, Kapurthala

Distribution of Syllabus & Lesson Plan

Name of the Department: Economics

Class: M.A. II (Sem. III)

Name of the Teacher: Ms. Geeta Rani

Subject: Operation Research

Session/Year: 2024-25 (Odd Semester)

Sr. No.	Month	Unit	Lesson Plan
1	August	I	Definition, Significance, Scope and limitations of Operation Research, Linear Programming – Assumptions, formulation and solution by graphic method, Simplex and two-phase Simplex method,
2	September	II & IV	Transportation Problems, Assignment Problems, Game Theory : Competitive games, Pure Strategy, Mixed Strategy, Dominance Method, Two Person zero sum game, n-person zero sum game, LPP method, Replacement Problems,
3	October	III & IV	Replacement models of items that deteriorate (money value constant & changes) Sudden failure and Gradual failure – Individual and Group replacement Policy, Inventory model with Deterministic demand and Probabilistic demand Queuing models : Characteristics
4	November	III & IV	Single Channel Queuing Models ; Model I : (M/M/I) : (FCFS/∞/∞) Model II : (M/M/I) : (SIRO/∞/∞) Model III : (M/M/I) : (FCFS/N/∞) – Finite Queue Model IV : (M/M/I) : (FCFS/m/N) – Limited Source model, Project Scheduling by PERT and CPM

Geeta Rani

Signature of the HOD/Teacher

Nawab Jassa Singh Ahluwalia Government College, Kapurthala

Distribution of Syllabus & Lesson Plan

Name of the Department: Economics

Class: B.Sc. (Eco.) III - Sem. V

Name of the Teacher: Ms. Geeta Rani

Subject: Quantitative Techniques

Session/Year: 2021-25 (Odd Semester)

Sr. No.	Month	Unit	Lesson Plan
1	July/ August	I	Basic concepts of Null and Alternative Hypothesis, Types of Errors, One Tailed and Two tailed tests, Power of Test, Level of Significance, Critical Region.
2	September	II & III	Test of significance based upon distribution of Z, t and F, and chi-Square distribution Derivation of Properties of Z, T, chi-Square and F distributions.
3	October	IV	Analysis of Variance; Introduction, Assumptions, Techniques of Analyzing Variance, Analysis of Variance of one-way classification
4	November	IV	Analysis of Variance of two-way classified data.

Geeta

Signature of the HOD/Teacher

Nawab Jassa Singh Ahluwalia Government College, Kapurthala

Distribution of Syllabus & Lesson Plan

Name of the Department: Economics

Class: M.A.I

Name of the Teacher: Ms. Geeta Rani

Subject: Quantitative Methods for Economists - II

Session/Year: 2024-25 (Even Semester)

Sr. No.	Month	Unit	Lesson Plan
1	January	I	Correlation : Meaning, assumption and Limitation; Pearson's Product moment and Spearman's rank correlation coefficients and their Properties. Regression : Least-Square technique and the lines of regression, Standard error of estimate, Partial and Multiple correlation and Regression.
2	February	II	Analysis of Time series ; Definition, Components Measurement of trend by different methods. Measurement of Seasonal Variations, Non-linear equations — Parabolic, exponential, geometric, modified exponential, Gompertz and logistic, Growth rate and simple properties of time path of continuous variables;
3	March	III & IV	Probability : Definitions, Events, Types, Laws of addition and multiplication, Conditional Probability, Bayes's theorem-Application. Properties of Binomial, Poisson and normal distribution without derivations. Concept of Statistical hypotheris — Null and Alternate, Level of significance Type I and Type-2 errors confidence interval testing in respect of means and proportion.
4	April	IV	Basic concepts of Sampling - random and non-random sampling; Simple random; Stratified random and P.P.S sampling; Concept of an estimator and its Sampling distribution, Random variable, Probability mass and density function, Expectation, moments and moment generating functions,

Signature of the HOD/Teacher

Nawab Jassa Singh Ahluwalia Government College, Kapurthala

Distribution of Syllabus & Lesson Plan

Name of the Department: Economics

Class: M.A. II

Name of the Teacher: Geeta Rani

Subject: Industrial Economics

Session/Year: 2024-25 (Even Semester)

Sr. No.	Month	Unit	Lesson Plan
1	January	I	Framework and Problems of Industrial Economics: Concept and Organization of a firm – ownership, Control, objectives, Passive and active behaviour of the firm. Market Structure: Seller's Concentration, Product differentiation, Entry Conditions, Economies of scale, Theories of Industrial location – Weber and Sargent Florence, Factors affecting location
2	February	II	Market Conduct: Product Pricing – Theories, Investment expenditure – Methods of evaluation Mergers and Acquisitions, diversification. Market Performance: Growth of the firm – Theory and evidence, Constraints on firm's growth, Productivity, efficiency and capacity utilization – Concept and measurement Including evidence from Indian economy
3	March	III	Industrial Policy in India – evolution and paradigm shift, Recent trends, MNC's transfer of technology and issues related with TRIMS, Privatization and globalization. Regional Industrial growth and concentration in India and dispersal policy; Remedial measures. Issues in Industrial proliferation and environmental preservation.
4	April	IV	Project Appraisal: Cost benefit analysis – Net Present Value (NPV) and internal rate of return (IRR) Criteria – balancing Private and social returns. Industrial Labour: Structure, Globalization and Labour; Exit Policy and Safety nets.

Geeta Rani

Signature of the HOD/Teacher

Nawab Jassa Singh Ahluwalia Government College, Kapurthala

Distribution of Syllabus & Lesson Plan

Name of the Department: Economics

Class: B.Sc (Economics) III (Sem. VI)

Name of the Teacher: Geeta Rani

Subject: Quantitative Techniques

Session/Year: 2024-25 (Even Semester)

Sr. No.	Month	Unit	Lesson Plan
1	January	I & IV	Definition, Scope and Nature of Econometrics, Simple linear Regression Model, - Introduction Dummy Variable Technique and its uses,
2	February	I	Simple linear regression model (OLS Method) Application of OLS method, Assumptions, Sampling distributions of SLRM Gauss Markov Theorem on SLRM
3	March	II & III	General linear Regression Model, Assumptions, Properties (BLUE) Gauss Markov Theorem on GLRM Econometric Problems of Heteroscedasticity, and Multicollinearity in the Regression Analysis: Source, Consequences, Tests and Remedial Measures
4	April	II & IV	Concept of R^2 and $\bar{R}^2$ Relationship. Test of Significance (Stress on Numericals.) Problem of Autocorrelation - Consequences, Tests and Remedial Measures, Distributed Lag Models and Auto-Regressive Models.

Signature of the HOD/Teacher

Distribution of Syllabus and Lesson Plan

Session/ Year : 2024-2025 (Even Semester)

Name of the Department: Economics

Name of the Teacher: Ms. Geeta Rani

Class: B.Com III

Subject: Operation Research

Sr. No.	Month	Unit	Lesson Plan
1	January	I	Basics of Operational Research - Definition, Nature, Scope, Limitations Linear Programming - Introduction, Application, Formulation, General Linear Programming Problem Graphical Method, Simplex Method, Big-M Method
2	February	II	Transportation Model - Assumption, Formulation, Solution, Tran-Shipment Problems, Assignment Model - Hungarian method for solution, Travelling Salesman Problem
3	March	III	Queuing Models - Applications, features Model-I, Assumption & Limitations, Game Theory - Characteristics, Rules for Pure Strategy, Mixed Strategy, Game by Dominance Method
4	April	IV	Net work Analysis in Project Planning; Scheduling, CPM, PERT, Cost Analysis and Crashing the Network Exercises

Signature of the Teacher

Nawab Jassa Singh Ahluwalia Government College, Kapurthala

Distribution of Syllabus & Lesson Plan

Name of the Department: ENGLISH

Class: M.A. ENGLISH - I

Name of the Teacher: GURPREET KAUR CHOUHAN

Subject: POETRY - II (VICTORIAN & MODERN)

Session/Year: **(Even Semester)**

Sr. No.	Month	Unit	Lesson Plan
1	January	A	Robert Browning — Porphyria's Lover The Last Ride Together
2	February	A, B	Robert Browning: One Word More, The Bishop Orders his Tomb at Saint Praxed's Church W.B. Yeats: When you are old and grey; The Second Coming; A Prayer for my Daughter, Leda and the Swan; Sailing to Byzantium; Among School Children; Easter 1916
3	March	C	T.S. Eliot: The Waste Land
4	April	D	Philip Larkin - Church Going, The Whitsun Weddings, Toads, Dockery and Son, The Building, High Windows

Gurpreet

Signature of the HOD/Teacher

Nawab Jassa Singh Ahluwalia Government College, Kapurthala

Distribution of Syllabus & Lesson Plan

Name of the Department: ENGLISH

Class: B.Com. III Year

Name of the Teacher: GURPREET KAUR CHOUHAN

Subject: GENERAL ENGLISH

Session/Year: (Even Semester)

Sr. No.	Month	Unit	Lesson Plan
1	Jan	A	Novel - The Guide by R.K. Narayan
2	Feb	A	Novel - The Guide by R.K. Narayan
3	March	B, C	One act plays 'Glimpses of Theatre' The Will, Villa for Sale, Progress, The Monkey's Paw
4	April	D	One Act Plays 'Glimpses of Theatre' Sorry Wrong Number, No eggs! No eggs!

Gurpreet

Signature of the HOD/Teacher

Nawab Jassa Singh Ahluwalia Government College, Kapurthala

Distribution of Syllabus & Lesson Plan

Name of the Department: English

Class: BA - II Year

Name of the Teacher: Gurpreet Kaur Chauhan

Subject: Literature English

Session/Year: (Even Semester)

Sr. No.	Month	Unit	Lesson Plan
1	January	A New Direction	Part 4
2	February	A New Direction	Part 4 - 5
3	March	B Modern Prose	Essays : 3, 4, 5, 7, 11, 12
4	April	C, D	Dispelling Silence - Stories : 1, 2, 6, 7, 8 Words for Transcription

Gurpreet

Signature of the HOD/Teacher

Nawab Jassa Singh Ahluwalia Government College, Kapurthala

Distribution of Syllabus & Lesson Plan

Name of the Department: Chemistry

Class: B.Sc. Sem 1st

Name of the Teacher: Harpaljit Kaur

Subject: Inorganic Chemistry

Session/Year: 2024-25 **(Odd Semester)**

Sr. No.	Month	Unit	Lesson Plan
1	August	C	**s- and p-block elements and their comparative study**: General remarks about each group (I-IV), trends in electronic configuration, atomic and ionic radii, ionization potential, electron affinity, electronegativity, oxidation states, Melting and boiling point, density, electropositive or metallic character, flame colouration. Lattice energies. Photoelectric effect, inert pair effect, catenation and hetero catenation. Anomalies in first and second row elements. Chemical properties in details.
2	September	C	**s- and p-block elements and their comparative study**: General remarks about each group (V-VIII), trends in electronic configuration, atomic and ionic radii, ionization potential, electron affinity, electronegativity, oxidation states, Melting and boiling point, density, electropositive or metallic character, flame colouration. Lattice energies. Photoelectric effect, inert pair effect, catenation and hetero catenation. Anomalies in first and second row elements. Chemical properties in details.
3	October	D	**p-Block Elements: Group 13:** General characteristics, Atomic and ionic radii, melting and boiling point, Ionisation energies, Oxidation states, Electropositive character, Tendency to form covalent compounds. **Compounds of group 13**: Hydrides, Oxides and hydroxides, Oxoacid; Structure and Properties of Boric acid, Preparation,

			properties and structure of Diborane, Borazine, Boron halides: Boron hydrides ($LiBH_4$, $NaBH_4$), Anomalous behaviour of Boron and its diagonal relationship with Silicon.
4	**November**	D	**Group 14:** General characteristics; Atomic radii, Ionisation energies, Melting and boiling point, oxidation state, metallic character, catenation, Allotropy, Tendency to form multiple bonding. **Compounds of group 14**: Hydrides of silicon: preparation and properties, toxic nature of CO, Dioxide of carbon and silicon. Comparison of carbon tetrachloride and silicon tetrachloride. Chemistry of Fullerenes.

Harpalji Kaur.

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Nawab Jassa Singh Ahluwalia Government College, Kapurthala

Distribution of Syllabus & Lesson Plan

Name of the Department: Chemistry

Class: B.Sc. Sem 2nd

Name of the Teacher: Harpaljit Kaur

Subject: Organic Chemistry

Session/Year: 2024-25 **(Even Semester)**

Sr. No.	Month	Unit	Lesson Plan
1	January	C	Aromaticity: Huckel's rule, aromatic ions. Nomenclature of benzene derivatives. The aryl group, Aromatic nucleus and side chain. Structure of benzene: Molecular formula and Kekule structure. Stability and C-C bond lengths of benzene, resonance structure.
2	February	C	Aromatic electrophilic substitution-general pattern of the mechanism, role of σ and π complexes. Mechanism of nitration, halogenation, sulphonation, mercuration and Friedel Crafts reaction. Energy profile diagrams. Activating and deactivating substituents, reactivity and orientation of disubstitution. Side chain reactions of benzene derivatives. Methods of formation and chemical reactions of alkylbenzenes.
3	March	D	Alkyl halides: Methods of preparation, details of nucleophilic substitution reactions – SN1, SN_2 and SNi mechanisms with stereochemical aspects and effect of solvent, nucleophilic substitution vs. elimination.

4	April	D	Aryl halides: Preparation, including preparation from diazonium salts, nucleophilic aromatic substitution in details; SNAr, Benzyne mechanism. Relative reactivity and mechanism of alkyl, allyl/benzyl, vinyl and aryl halides towards nucleophilic substitution reactions in details

Harpajit Kaur

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Nawab Jassa Singh Ahluwalia Government College, Kapurthala

Distribution of Syllabus & Lesson Plan

Name of the Department: Chemistry

Class: B.Sc. Sem IIIrd

Name of the Teacher: Harpaljit Kaur

Subject: Physical Chemistry

Session/Year: 2024-25 **(Odd Semester)**

Sr. No.	Month	Unit	Lesson Plan
1	August	A	**I. Thermodynamics-I** Definition of thermodynamic terms: System, surroundings etc. Types of systems, intensive and extensive properties. State and path functions and their differentials. Thermodynamic process. Concept of heat and work. *First Law of Thermodynamics:* Statement, definition of internal energy and enthalpy. Heatcapacity, heat capacities at constant volume and pressure and their relationship. Joule's law,Joule-Thomson coefficient and inversion temperature, Calculation of w, q, dU & dH for the expansion of ideal gases under isothermal and adiabatic conditions for reversible process.
2	September	B	***II. Thermochemistry:*** Standard state, types of enthalpy of reactions, standard enthalpy of formation, Hess's Law ofheat summation and its applications. Heat of reaction at constant pressure and at constant volume. Enthalpy of neutralization. Bond dissociation energy and its calculation from thermo-chemical data, temperature dependence of enthalpy. Kirchhoff's equation. **III. Thermodynamics-II** *Second Law of Thermodynamics:* Need for the law, different statements of the 2nd law, Carnotcycle and its efficiency, Carnot theorem. Thermodynamic scale of temperature. *Concept of Entropy* : Entropy as a state function, entropy as a function of V & T, entropy as afunction of P & T, entropy change in physical change, Clausius inequality, entropy as a criteria of spontaneity and equilibrium. Entropy change in ideal gases and mixing of gases.
3	October	C	**IV. Thermodynamics-III** Third Law of Thermodynamics: Nernst heat theorem, statement and concept of residual entropy, evaluation of absolute entropy from heat capacity data. Gibbs and Helmholtz functions; Gibbs function (G) Helmholtz function (A) as thermodynamic quantities, A & G as criteria for thermodynamic equilibrium and spontaneity, their advantage over entropy change, Variation ofG and A with P,V and T. **V. Chemical Equilibrium** Equilibrium constant and free energy. Thermodynamic derivation of law of mass action.Determination of K_p, K_c, K_a and their relationship, Clausius-Clapeyron equation, applications.

	November	D	**VI. Introduction to Phase Equilibrium** Statement and meaning of the terms-phase, component and degree of freedom, derivation of Gibbs phase rule, phase equilibria of one component system-water, CO_2 and S systems. Phaseequilibria of two component systems-solid-liquid equilibria, simple eutectic-Bi-Cd, Pb-Agsystems, desilverisation of lead. Solid solutions-compound formation with congruent meltingpoint (Mg-Zn) and incongruent melting point, NaCl-H_2O, $FaCl_3$-H_2O and $CuSO_4$-H_2O system.Freezing mixtures, acetone-dry ice. Partially miscible liquids Phenol-water, triethylamine-water, Nicotine-water System. Lowerand upper consulate temperature, Effect of impurity on consolute temperature, immiscible liquids, steam distillation. Nernst distribution law-thermodynamic derivation and applications.

Harpaljit Ka..

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Distribution of Syllabus & Lesson Plan

Name of the Department: Chemistry

Class: B.Sc. Sem IVth

Name of the Teacher: Harpaljit Kaur

Subject: Organic Chemistry

Session/Year: 2024-25 **(Even Semester)**

Sr. No.	Month	Unit	Lesson Plan
1	January	A	**I. Carboxylic Acids** Nomenclature, structure and bonding, physical properties, acidity of carboxylic acids, effects of substituents on acid strength. Reactions of carboxylic acids. Hell-Volhard-Zelinsky reaction. Synthesis of acid chlorides, esters and amides. Reduction of carboxylic acids. Mechanism of decarboxylation **II. Carboxylic Acids Derivatives** Structure and nomenclature of acid chlorides, esters, amides and acid anhydrides, Relative stability& reactivity of acyl derivatives. Physical properties, interconversion of acid derivatives by nucleophilic acyl substitution. Preparation of carboxylic acid derivatives, chemical reactions. Mechanisms of esterification and hydrolysis (acidic and basic).
2	February	B	**III. Ethers and Epoxides** Nomenclature of ethers and methods of their formation, physical properties. Chemical reaction- cleavage and autoxidation, Ziesel's method. Synthesis of epoxides. Acid and base-catalyzed ringopening of epoxides, orientation of epoxide ring opening, reactions of Grignard and organolithiumreagents with epoxiedes. **IV. Heterocyclic Compounds** Introduction: Molecular orbital picture and aromatic characteristics of pyrrole, furan, thiophene and pyridine. Methods of synthesis and chemical reactions with particular emphasis on the mechanism of electrophilic substitution. Mechanism of nucleophilic substitution reactions in pyridine derivatives. Comparison of basicity of pyridine, piperidine and pyrrole.
3	March	C	**V. Organic Compounds of Nitrogen** Preparation of nitroalkanes and nitroarenes. Chemical reactions of nitroalkanes, Mechanisms ofnucleophilc substitution in nitroarenes and their reduction in acidic, neutral and alkaline media.Reactivity, Structure and nomenclature of amines, Methods of preparation of amines by Reductiveamination of aldehydic and ketonic

			compounds, Gabriel-phthalimide reaction and Hofmannbromamide reaction. Physical properties. Stereochemistry of amines. separation of a mixture ofprimary, secondary and tertiary amines. Structural features effecting basicity of amines. Aminesalts as phase-transfer catalysts.
4	April	D	**VI. Organometallic Compounds** Organomagnesium Compounds: The Grignard reagentsformation, structure and chemicalreactions. Organolithium Compounds: Formation and chemical reactions. Organozinc and Organo copper Compounds: Nomenclature, structural features, Methods offormation and chemical reactions.

Jagmeet/
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Nawab Jassa Singh Ahluwalia Government College, Kapurthala

Distribution of Syllabus & Lesson Plan

Name of the Department: Chemistry

Class: B.Sc. Sem Vth

Name of the Teacher: Harpaljit Kaur

Subject: Physical Chemistry

Session/Year: 2024-25 **(Odd Semester)**

Sr. No.	Month	Unit	Lesson Plan
1	August	A	**1. Electrochemistry** Electrical transport-conduction in metals and in electrolyte solutions, specific conductance and equivalent conductance, measurement of equivalent conductance, variation of equivalent and specific conductance with dilution. Migration of ions and Kohlrausch law, Arrhenius theory of electrolyte dissociation and its limitations, weak and strong electrolytes, Ostwald's dilution law, itsuses and limitations. Debye-Huckel-Onsager's equation for strong electrolytes (elementary treatmentonly). Transport number, definition and determination by Hittorf method and moving boundary method. Applications of conductivity measurements: determination of degree of dissociation, determination of Ka of acids, determination of solubility product of a sparingly soluble salt, conductometric titrations. Types of reversible electrodes-gas metal ion, metal ion, metal insolblue salt-anion and redox electrodes. Electrode reactions. Nernst equation, derivation of cell E.M.F. and Single electrode potential, standard hydrogen electrode, reference electrodes, standard electrode potential, sign conventions, electrochemical series and its significance. Electrolytic and Galvanic cells-reversibleand irreverisible cells, conventional representation of electrochemi cells. EMF of a cell and its measurements. Computation of cell. EMF, Calculation of thermodynamic quantities of cell reactions (ΔG ΔH and K), polarization, over potential and hydrogen overvoltage. Concentration cells with and without transport, liquid junction potential, application of concentration cells, valency of ions, solubility product and activity coefficient, potentiometrictitrations.
2	September	B	**2. Nuclear Chemistry** Introduction: Radioactivity, Nuclear Structure, Size of Nucleus, Mass Defects and Binding Energy,Nuclear Stability, Nuclear Forces, Nuclear Spin and Moments of Nuclei, Nuclear Models, NuclearDecay Processes, The Laws of Radioactive Decay, Soddy-Fajans Group Displacement Law, Rate ofNuclear Decay and Half Life Time (Kinetics of Radioactive Decay), Induced Nuclear Reactions, Types of Nuclear Processes, High Energy Nuclear Reactions, Nuclear Reaction Cross-Section, Artificial radioactivity, Detection and Measurement of Radioactivity, Nuclear Fission, Nuclear Fusion, Applications of Radioactivity
3	October	C	**3. Spectroscopy** Introduction: Electromagnetic radiation, regions of the spectrum, basic features of differentspectrometers, statement of the Born-Oppenheimer approximation, degrees of freedom **4. Rotational Spectrum**

			Diatomic molecules. Energy levels of a rigid rotor (semiclassical principles). selection rules, spectralintensity, distribution using population distribution (Maxwell-Boltzmann distribution) determinationof bond length, qualitative description of non-rigid rotor, isotope effect
4	**November**	D	**5. Vibrational Spectrum** Infrared spectrum: Energy levels of simple harmonic oscillator, selection rules, pure vibrational spectrum, intensity, determination of force constant and qualitative relation of force constant andbond energies, effect of anharmonic motion and isotope on the spectrum, idea of vibrational frequencies of different functional groups. **6. Raman Spectrum**: Concept of polarizability, pure rotational and pure vibrational Raman spectra of diatomic molecules, selection rules **7. Electronic Spectrum** Concept of potential energy curves for bonding and antibonding molecular orbitals, qualitative description of selection rules and Franck-Condon principle. Qualitative description of s, p, and n M.O., their energy levels and the respective transitions

Harpalpit Kau.

Signature of the HOD/Teacher

Nawab Jassa Singh Ahluwalia Government College, Kapurthala

Distribution of Syllabus & Lesson Plan

Name of the Department: Chemistry

Class: B.Sc. Sem VIth

Name of the Teacher: Harpaljit Kaur

Subject: Physical Chemistry

Session/Year: 2024-25 (Even Semester)

Sr. No.	Month	Unit	Lesson Plan
1	January	A	**1. Quantum Mechanics-I** Black-body radiation, Planck's radiation law, Photoelectric effect, heat capacity of solids, Bohr's model of hydrogen atom (no derivation) and its defects, Compton effect. de Broglie hypothesis, Heisenberg's uncertainty principle, Sinusoidal wave equation, Hamiltonianoperator, Schrodinger wave equation and its importance, physical interpretation of the wave function, postulates of quantum mechanics, particle in a one dimensional box, quantization of energy levels, extension to two and three dimensional boxes, degeneracy
2	February	B	**2. Quantum Mechanics-II** Simple harmonic oscillator model of vibrational motion, setting up Schrodinger equation and discussion of solution and wave functions. Rigid rotator model of rotation of diatomic molecules transformation to spherical polar coordinates spherical harmonics and their discussion. Qualitative investigation H-atom, setting up Schrodinger equation, radial and angular part, radial distributionfunctions of 1s, 2s, 2p, 3s, 3p and 3d
3	March	C	**3. Solid State** Definition of space lattice and unit cell, Law of crystallography- (i) Law of constancy of interfacialangles, (ii) Law of rationality of indices, (iii) Symmetry elements in crystals. X-ray diffraction by crystals. Derivation of Bragg's Law in Reciprocal space. Determination ofcrystal structure of NaCl, KCl by use of Powder method; Laue's method
4	April	D	**4. Photochemistry** Interaction of radiation with matter, difference between thermal and photochemical processes. Lawsof photochemistry: Grothus–Drapper law, Stark–Einstein law, Jablonski diagram depicting variousprocesses occurring in the excited state, qualitative description of flourescence, phosphorescence, non–radiative processes (internal conversion, intersystem crossing), quantum yield, photosensitizedreactions–energy transfer processes (simple examples)

Harpaljit Kau.

Signature of the HOD/Teacher

Distribution of Syllabus and Lesson Plan

Session/ Year : 2024-2025 (Even Semester)

Name of the Department: Punjabi

Name of the Teacher: Harsimran Kaur

Class: B.A IV Sem

Subject: Elective Punjabi

Sr. No.	Month	Unit	Lesson Plan
1	January	1	ਪੰਜਾਬੀ ਸਾਹਿਤ ਦਾ ਇਤਿਹਾਸ (1701 ਤੋਂ – 1900) ਸਾਹਿਤਕ ਰੂਪਾਂ ਦਾ ਇਤਿਹਾਸ – ਕਿੱਸਾ ਇਤਿਹਾਸ ਸਬੰਧੀ ਪ੍ਰਸ਼ਨ
2	February	2.	ਸਾਹਿਤਕ ਧਾਰਾਵਾਂ ਤੇ ਪ੍ਰਵਿਰਤੀਆਂ ਸਬੰਧੀ ਪ੍ਰਸ਼ਨ ਸ਼ਬਦ ਜੋੜਾਂ ਦੀ ਵਿਆਖਿਆ / ਇਨਾਮ ਸਿੰਘ ਸ਼ਾਇਰ।
3	March	3.	ਗੱਦ ਪੁਸਤਕ – (ਹੱਸਾ ਬਿਰਤਾਂਤ ਹਰਫ਼ ਕੱਲ) ਵਿਸ਼ਾ ਵਸਤੂ /ਸਾਰ/ ਪਾਤਰ ਸੰਬੰਧੀ
4	April	5.	ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦਾ ਨਿਕਾਸ ਅਤੇ ਵਿਕਾਸ ਗੁਰਮੁਖੀ ਲਿਪੀ ਦਾ ਨਿਕਾਸ ਅਤੇ ਵਿਕਾਸ ਸਬੰਧੀ ਪ੍ਰਸ਼ਨ- ਸ਼ਿਵਰਚਨ ਦਾ ਅਨੁਮਾਨ।

Harsimran Kaur

Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Session/ Year : 2024-2025 (Even Semester)

Name of the Department: Punjabi

Name of the Teacher: Harsimran Kaur

Class: B. Com VI Sem

Subject: General Punjabi (ਲਾਜ਼ਮੀ)

Sr. No.	Month	Unit	Lesson Plan
1	January		ਕਾਵਿ ਜੋਬਨ - (1-6) ਕਵੀ ਪ੍ਰਸੰਗ ਸਹਿਤ ਵਿਆਖਿਆ / ਸਾਰ / ਵਿਸ਼ਾ
2	February		ਸਫ਼ਰਨਾਮਾ — ਪਰਤੀਆਂ ਦੇ ਗੀਤ ਲੇਖਕ ਦਾ ਜੀਵਨ ਤੇ ਰਚਨਾ, ਸਮਾਜ ਸਭਿਆਚਾਰਕ ਪਰਿਪੇਖ, ਸਫ਼ਰਨਾਮੇ ਦੇ ਰੂਪ ਦੇ ਤੱਤ ।
3	March		ਲੇਖ ਰਚਨਾ ਦਾ ਅਭਿਆਸ । ਆਧੁਨਿਕ ਸਾਹਿਤ ਰੂਪ - ਕਵਿਤਾ, ਕਹਾਣੀ, ਨਾਵਲ, ਨਾਟਕ, ਇਕਾਂਗੀ
4	April		ਵਿਆਕਰਨ - ਪੈਰ੍ਹਾ ਅਤੇ ਵਚਨ ਨਾਂਵ ਵਾਕੰਸ਼ ਅਤੇ ਕਿਰਿਆ ਵਾਕੰਸ਼ ਸਹਿਤੀ ਪ੍ਰ/ਉੱਤਰ

Harsimran Kaur

Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Session/ Year : 2024-2025 (Even Semester)

Name of the Department: Punjabi

Name of the Teacher: Harsimran Kaur

Class: B.A II Sem & B.Sc II Sem

Subject: General Punjabi (ਸਧਾਰਨ)

Sr. No.	Month	Unit	Lesson Plan
1	January	ਵਾਰ ਕਾਵਿ	ਵਾਰ ਦੀ ਰਚਨਾ (1–10) ਵਾਰਾਂ ਦਾ ਸਾਰ। ਵਿਸ਼ੇਸ਼ ਅਧਿਐਨ
2	February	ਕਵਿਤਾ ਅਤੇ ਅਨੁਵਾਦ	(7–11) ਸਾਹਿਤਕ ਰੂਪ ਸਾਰ। ਵਿਸ਼ੇਸ਼ ਅਧਿਐਨ / ਕਾਵਿ ਵਿਧੀ
3	March	ਵਿਸ਼ੇਸ਼ਣ	ਚਿੱਠੀ ਪੱਤਰ ਸਮਾਚਾਰ ਅਤੇ ਸੰਪਾਦਕੀ ਦਾ ਅਧਿਐਨ।
4	April	,,	ਸ਼ਬਦ ਸੂਚੀਆਂ ਅਤੇ ਸ਼ਬਦ ਰਚਨਾ। ਸੰਖੇਪੀ ਪ੍ਰ/ਉ. ਵਿਸ਼ੇਸ਼ਣ ਦਾ ਅਧਿਐਨ।

Harsimran Kaur

Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Session/ Year : 2024-2025 (Odd Semester)

Name of the Department: Punjabi

Name of the Teacher: Harsimran Kaur

Class: B.A III sem

Subject: Elective Punjabi

Sr. No.	Month	Unit	Lesson Plan
1	August	1.	ਮੁੱਢਲੀ ਪੰਜਾਬੀ ਕਾਵਿ - ਨਾਥ ਬਾਣੀ, ਗੁਰਮਤਿ ਬਾਣੀ ਪ੍ਰਸੰਗ ਸਹਿਤ ਵਿਆਖਿਆ
2	September	2.	ਪੰਜਾਬੀ ਕਹਾਣੀ ਦੀ ਸਾਰ ਤੱਤ - (1-14) ਕਹਾਣੀਆਂ ਸਾਰ / ਵਿਸ਼ਾ ਵਸਤੂ
3	October	3.	ਮੁੱਢਲੀ ਪੰਜਾਬੀ ਕਾਵਿ - ਗੁਰਬਾਣੀ ਪ੍ਰਸੰਗ ਸਹਿਤ ਵਿਆਖਿਆ
4	November	4.	ਸਾਹਿਤ ਸ਼ਾਸਤਰ ਦੇ ਮੂਲ ਸੰਕਲਪ - ਪਰਿਭਾਸ਼ਾ ਪ੍ਰਕ੍ਰਿਤੀ. ਸਾਹਿਤ ਦੇ ਰੂਪ - ਕਵਿਤਾ, ਨਾਟਕ, ਕਹਾਣੀ, ਨਾਵਲ ਆਦਿ. ਵਿਸ਼ੇਸ਼ਤਾ ਦੀ ਜਾਣਕਾਰੀ।

Harsimran Kaur

Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Session/ Year : 2024-2025 (Odd Semester)

Name of the Department: Punjabi

Name of the Teacher: Harsimran Kaur

Class: B.Com V Semester

Subject: General Punjabi (ਲਾਜ਼ਮੀ)

Sr. No.	Month	Unit	Lesson Plan
1	August	1	ਚੋਣਵੀਆਂ ਪੰਜਾਬੀ ਕਹਾਣੀਆਂ – (1–10) ਕਹਾਣੀਆਂ ਸਾਰ / ਵਿਸ਼ਾ ਵਸਤੂ
2	September	2	ਨਾਟਕ – ਇਕ ਜਾਗ ਹੀਰਾ – [illegible] ਸਾਰ / ਵਿਸ਼ਾ / ਪਾਤਰ ਚਿਤਰਨ /
3	October	3	ਵਿਆਕਰਣ – ਧੁਨੀ ਵਿਉਂਤ, ਸ਼ਬਦ ਅਤੇ ਸ਼ਬਦ ਜੋੜ ~~ਸੰਬੰਧੀ~~ ਵਿਰਾਮਚਿੰਨ੍ਹ ਵਰਤੋਂ – ਮੁਹਾਵਰੇ ਅਤੇ ਅਖਾਣ ~~ਸੰਬੰਧੀ~~ ਪ੍ਰ. ਉ.
4	November	4	ਪੰਜਾਬੀ ਵਿਚ ਅਨੁਵਾਦ । ਲੇਖ ਰਚਨਾ । ਸਿਰਲੇਖ ਦੀ [illegible] ।

Harsimran Kaur

Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Session/ Year : 2024-2025 (Odd Semester)

Name of the Department: Punjabi

Name of the Teacher: Harsimran Kaur.

Class: B.A I & B.Sc I Sem

Subject: General Punjabi (ਲਾਜ਼ਮੀ)

Sr. No.	Month	Unit	Lesson Plan
1	August	ੲ ਭਾਗ	ਕਵਿਤਾ ਭਾਗ - (1-5) ਕਵੀ ਦੀ ਜੀਵਨ ਰਚਨਾ ਪ੍ਰਸ਼ਨ ਸਹਿਤ ਵਿਆਖਿਆ / ਸਾਰ / ਵਿਸ਼ਾ
2	September	"	ਕਵਿਤਾ ਭਾਗ - (6-10) ਕਵੀ ਦੀ ਜੀਵਨ ਰਚਨਾ, ਪ੍ਰਸ਼ਨ ਸਹਿਤ ਵਿਆਖਿਆ / ਸਾਰ / ਵਿਸ਼ਾ
3	October	ਪੰਜਾਬ ਦੇ ਮੇਲੇ ਤਿਉਹਾਰ	ਲੇਖ ਰਚਨਾ- (1-6) ਜੀਵਨੀ ਲੇਖ ਵਿਸ਼ਾ ਵਸਤੂ / ਨਾਇਕ ਬਿੰਬ ਲੇਖ ਪਾਤਰ ਤੇ ਪ੍ਰਸ਼ਨਾਂ ਦੇ ਉੱਤਰ
4	November	ਵਿਆਕਰਣ	ਭਾਸ਼ਾ ਦਾ ਟਕਸਾਲੀ ਰੂਪ / ਭਾਸ਼ਾ ਅਤੇ ਉਪਭਾਸ਼ਾ ਦਾ ਅੰਤਰ / ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦਾ ਨਿਕਾਸ ਵਿਕਾਸ ਸੰਬੰਧੀ ਪ੍ਰ. ਉੱਤਰ

Harsimran Kaur

Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Session/ Year: 2024-2025 (Even Semester)

Name of the Department: English

Name of the Teacher: Dr Parmod Kumar

Class: M.A. Semester 4

Subject: Modern Literary Theory

Sr.No.	Month	Unit	Lesson Plan
1	**January**	A	Introduction to "Feminist Literary Criticism"
2	**February**	A and B	"Feminist Literary Criticism" "Freud and Literature" "Literature and History"
3	**March**	C	"Form and Content" "Crisis" (In Orientalism)
4	**April**	D	"Linguistics and Poetics" "The Death of the Author"

Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Session/ Year: 2024-2025 (Even Semester)

Name of the Department: English

Name of the Teacher: Dr Parmod Kumar

Class: BA Sem 2

Subject: SEC 1

Sr.No.	Month	Unit	Lesson Plan
1	**January**	A	Leadership: Definition and Importance of Leadership, Leadership vs. Management
2	**February**	A	Qualities of an Effective Leader, Types of Leaders, Leadership Styles: Traditional, Transactional, transformational
3	**March**	A	Inspirational and servant leadership and Emerging issues in leadership: Emotional Intelligence and its role in leadership
4	**April**	D	Work Ethics and Professionalism, Networking and Personal Branding, Developing a Growth Mindset

Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Session/ Year: 2024-2025 (EVEN Semester)

Name of the Department: English

Name of the Teacher: Manjeet Singh and Dr Parmod Kumar

Class: B.Sc Semester II

Subject: ENMDC 151: APPRECIATING ENGLISH LITERATURE-1 (English Compulsory)

Sr.No.	Month	Unit	Lesson Plan
1	**January**	A	• English Grammar in Use, 5th Edition by Raymond Murphy, CUP (Units: 49-51)
2	**February**	A	• English Grammar in Use, 5th Edition by Raymond Murphy, CUP (Units: 52-81) • *Tales of Life* (Guru Nanak Dev University, Amritsar): Stories at Sr. No. 1, 2, 3, 5 and 6
3	**March**	B	• Personal letter Writing and English Grammar in Use (Units: 82-97) • *Tales of Life* (Guru Nanak Dev University, Amritsar): Stories at Sr. No. 1, 2, 3, 5, 6 7, 9, 10, 11, 12
4	**April**	A	• *Tales of Life* (Guru Nanak Dev University, Amritsar): Stories at Sr. No. 7, 9, 10, 11, 12

Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Session/ Year: 2024-2025 (Even Semester)

Name of the Department: English

Name of the Teacher: Dr Parmod Kumar

Class: M.A. Semester 4

Subject: Post-Colonial Literature

Sr.No.	Month	Unit	Lesson Plan
1	**January**	A	Things Fall Apart
2	**February**	A and B	Things Fall Apart The Ice-Candy Man
3	**March**	C	Surfacing
4	**April**	D	"The Language of African Literature" (Chapter 1 of Decolonizing the Mind) "Introduction" (in "The Empire writes back")

Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Session/Year: 2024-2025 (Odd Semester)
Name of the Department: Department of Physics
Name of the Teacher: Ms. Mehak
Class: B.Sc. Sem-V (Non-Med)
Subject: Paper A: Condensed Matter Physics

Sr. No.	Month	Unit/Section	Lesson Plan
1.	August	-	----------
2.	September	-	----------
3.	October	A & B	Study of crystal structures including symmetry operations in two- and three-dimensional crystals, 2D Bravais lattices, and 14 3D Bravais lattices. Understanding of primitive cells, crystal planes, and Miller indices, with examples such as the diamond and NaCl structures. Bragg's law and experimental techniques for crystal structure determination. Laue equations, reciprocal lattices for simple cubic (SC), body-centered cubic (BCC), and face-centered cubic (FCC) systems, application of Bragg's law in reciprocal space, Brillouin zones and their construction in 2D and 3D, as well as the structure factor and atomic form factor.
4.	November	C & D	Lattice vibrations, phonon concepts, photon-phonon scattering, vibrations in monoatomic linear chains, density of vibrational modes, Einstein and Debye specific heat models, free electron model of metals, free electrons, Fermi gas, Fermi energy, band theory through the Kronig-Penney model, metals and insulators, temperature dependence of conductivity in semiconductors, Fermi levels in intrinsic and extrinsic semiconductors, and band gap in semiconductors.

Mehak

Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Session/Year: 2024-2025 (Even Semester)
Name of the Department: Department of Physics
Name of the Teacher: Ms. Mehak
Class: B.Sc. Sem-II (Non-Med)
Subject: Mechanics, Vibrations & Waves

Sr. No.	Month	Section	Lesson Plan
1.	January	A	Cartesian and spherical polar coordinate systems; calculation of area, volume, velocity, and acceleration in these systems; solid angle; connection between conservation laws and space-time symmetries.
2.	February	A	Fundamental forces in nature; center of mass; reduction to an equivalent one-body problem; central force motion, equations of motion and orbit, turning points, and Kepler's laws. Inertial frames, non-inertial frames, Coriolis force and its applications, variation of gravitational acceleration with latitude, and the Foucault pendulum. Elastic collisions in Lab and CM frames; rotational motion, principal moments and axes, moment of inertia, Euler's equations, precession, and introduction to gyroscopes.
3.	March	B	Newtonian relativity and Galilean transformations; early efforts to identify an absolute frame of reference; Fizeau's experiment; Michelson-Morley experiment and the ether drag hypothesis; Lorentz-Fitzgerald contraction; Einstein's fundamental postulates of special relativity; geometric derivation of Lorentz transformations; length contraction, relativity of simultaneity, synchronization, and time dilation; Einstein's velocity addition formula.
4.	April	B	Transformation laws for acceleration; relativistic aberration of starlight and Doppler effect; velocity-dependent mass variation; mass-energy equivalence; relativistic expressions for momentum and energy; and transformation of momentum, energy, and force.

Mehak

Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Session/Year: 2024-2025 (Even Semester)
Name of the Department: Department of Physics
Name of the Teacher: Ms. Mehak
Class: B.Sc. Sem-II (Non-Med)
Subject: Skill Enhancement Course: Applied Optics

Sr. No.	Month	Unit/Section	Lesson Plan
1.	January	-	----------
2.	February	C	Plane and elliptically polarized light; polarization methods including wire grid and sheet polarizers; Malus' law, Brewster's law, polarization through reflection, scattering, and double refraction; Nicol prism; retardation plates; generation and analysis of polarized light using quarter-wave and half-wave plates.
3.	March	C & D	Derivation of Einstein's relations, the concept of stimulated emission and population inversion, mechanisms of spectral line broadening, and three-level and four-level laser systems; basic theory of optical cavities, longitudinal and transverse modes. Components of laser systems, conditions necessary for laser action, types of lasers such as Ruby, Nd: YAG, He-Ne, and CO_2 lasers; their construction, methods for achieving population inversion, output characteristics, and general applications of lasers.
4.	April	D	Introduction to holography and its applications; optical fibres-design, working principle, numerical aperture, and their use in optical communication systems

Mehak

Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Session/Year: 2024-2025 (Even Semester)
Name of the Department: Department of Physics
Name of the Teacher: Ms. Mehak
Class: B.Sc. Sem-IV (Non-Med)
Subject: Paper B: Atomic and Molecular Spectra

Sr. No.	Month	Section	Lesson Plan
1.	January	A	Observation and types of spectra, light sources, and spectral analysis, as well as the units used in spectroscopy. Bohr's theory, spectral series, representation of spectral lines using terms, and energy level diagrams.
2.	February	A & B	Bohr's correspondence principle, Ritz combination rule, continuum at the series limit, and experimental evidence supporting Bohr's model, including the Frank-Hertz experiment, hydrogen atom spectrum, line structures, the normal Zeeman effect, electron spin, Stern-Gerlach experiment, spin-orbit coupling, electron magnetic moment, total angular momentum, hyperfine structure, examples of one-electron systems, anomalous Zeeman effect, and the Lande g-factor (e.g., sodium D-lines).
3.	March	C	Exchange symmetry of wavefunctions, the exclusion principle, atomic shells and subshells, helium atomic spectra, spectra of alkaline earth elements, LS coupling, selection rules, and general patterns in atomic spectra.
4.	April	D	Concepts of interaction energy, X-ray spectra, Moseley's law, absorption spectra, the Auger effect, molecular bonding, and molecular spectra are included, along with selection rules, symmetric structures, rotational, vibrational, and electronic energy levels and spectra of molecules, and an introduction to Raman spectra.

Mehak

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Distribution of Syllabus and Lesson Plan

Session/Year: 2024-2025 (Even Semester)
Name of the Department: Department of Physics
Name of the Teacher: Ms. Mehak
Class: B.Sc. Sem-VI (Non-Med)
Subject: Paper B: Nuclear Physics

Sr. No.	Month	Section	Lesson Plan
1.	January	A	Constituents of the nucleus, evidence against the presence of electrons within it, nuclear mass and binding energy; characteristics of the binding energy versus mass number curve; nuclear radius, angular momentum, and parity; nuclear moments including magnetic dipole and electric quadrupole moments; properties of nuclear forces and Yukawa's theory.
2.	February	B	Radioactive decay modes and decay laws, radioactive series, displacement law, applications like radioactive dating, and Cosmic ray components. Alpha decay is explained through Gamow's theory and quantum tunneling, with reference to the Geiger-Nuttall law. Beta decay covers β^-, β^+, and electron capture, along with the neutrino hypothesis, its detection, and parity violation in beta processes. Gamma transitions involve nuclear excited states, isomeric levels, gamma-ray emissions, and internal conversion.
3.	March	C	Nuclear reactions include different reaction types, reaction cross-sections, applicable conservation laws, nuclear reaction kinematics, illustrative examples, Q-value and its significance, the compound nucleus concept, and resonance level widths.
4.	April	D	Nuclear models comprise the liquid drop model and the semi-empirical mass formula, stability conditions, and evidence for nuclear magic numbers. The shell model is introduced with discussions on energy levels, angular momentum, parity, and magnetic moments of nuclear ground states.

Mehak

Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Session/ Year: 2024-2025 (Odd Semester)

Name of the Department: PG Department of Commerce

Name of the Teacher: Dr. Sandeep Kaur

Class: M.Com-IIIrd Semester

Subject: Banking and Insurance Services

Sr.No.	Month	Unit	Lesson Plan
1	August		----------
2	September		----------
3	October	C & D	Liberalisation in Insurance Sector: Malhotra Committee Report and its status of Implementation, Legislative Insurance Framework -Insurance Act, 1938, LIC Act, 1956, IRDA Act, 1999. Financial planning and Taxation: Saving and Investment Policies of Insurance Companies in India, Tax benefits under insurance policies. Insurance pricing: Computation of Premium, rider premium, Bonuses, Surrender Value and Paid up Value.
4	November	D	Insurance Documents: Proposal forms, First Premium Receipt/Renewal Premium Receipt, Policy Contract, Endorsements, Renewal Notice/Bonus Notices, Other Insurance Documents Concepts of reinsurance, Bancassurance

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Distribution of Syllabus and Lesson Plan

Session/ Year: 2024-2025 (Odd Semester)

Name of the Department: PG Department of Commerce

Name of the Teacher: Dr. Sandeep Kaur

Class: M.Com-IIIrd Semester

Subject: Retail Management

Sr.No.	Month	Unit	Lesson Plan
1	August		----------
2	September		----------
3	October	C & D	Process of Merchandise Planning: Concept of Merchandising, Implications of Merchandise Planning, Process of Merchandise Planning. Methods of Merchandise Procurement: Merchandise Sourcing, Age of Global Sourcing. Retail Pricing: Concept of Retail Price, Elements of Retail Price, Determining the Price, Retail Pricing Strategies.
4	November	D	Category Management: Concept of Category Management, Reasons for Emergence of Category Management, Components of Category Management, Category Management Process. Retail Franchising: Concept, Types, Advantages and Disadvantages.

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Distribution of Syllabus and Lesson Plan

Session/ Year: 2024-2025 (Odd Semester)

Name of the Department: PG Department of Commerce

Nameof the Teacher: Dr. Sandeep Kaur

Class: B.Com-Ist Semester

Subject: Business Organisation

Sr.No.	Month	Unit	Lesson Plan
1	August		----------
2	September		----------
3	October	C	Location of industry – factors influencing location – size of industry – optimum firm – advantages of large – scale operation – limitation of small scale operation – Industrial estates – District Industries Centres.
4	November	D	Stock Exchange – Function – Types – Working – Regulation of Stock Exchange in India. Business Combination – Causes – Types – Effects of Combination in India. Trade association – Chamber of commerce – Function – Objectives Working in – India.

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Distribution of Syllabus and Lesson Plan

Session/ Year: 2024-2025 (Odd Semester)

Name of the Department: PG Department of Commerce

Nameof the Teacher: Dr. Sandeep Kaur

Class: B.Com-III[rd] Semester

Subject: Financial Management

Sr.No.	Month	Unit	Lesson Plan
1	August		----------
2	September		----------
3	October	C	Working Capital Management –Introduction; Meaning and Concept of Working Capital; Management of Working Capital and Issues in Working Capital; Estimating Working Capital Needs; Operating or Working Capital Cycle. Various sources of finance to meet working capital requirements Financing current assets: Strategies of financing (Matching, Conservative, and Aggressive policies) Bank financing: recommendations of Tandon committee and Chore committee Management of components of working capital
4	November	D	Capital Expenditure Decisions: Purpose, Objectives & Process, Understanding different types of projects, Techniques of Decision making. Methods of Capital Budgeting – Traditional and Modern (Elementary Level). Dividend Decisions–Meaning, Nature and Types of Dividend Some dividend policies and formulating a dividend policy, Dividend Theories: Walter's Model, Gordon's Model, Modigliani and Miller: Irrelevancy Theory

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Distribution of Syllabus and Lesson Plan

Session/ Year: 2024-2025 (Odd Semester)

Name of the Department: PG Department of Commerce

Name of the Teacher: Dr. Sandeep Kaur

Class: B.Com- Vth Semester

Subject: Financial Market Operations

Sr.No.	Month	Unit	Lesson Plan
1	August		----------
2	September		----------
3	October	C	SEBI – Introduction, Role, Its powers, Objectives, Scope & Functions. Investors Protection:– Grievances concerning stock exchange and dealings and their removal; grievance cell in stock exchange SEBI: Company law Board: Press remedy through courts .Role, Policy measures relating to Development Financial Institution in India. Products & Services offered by IFCI, IDBI, IIBI, SIDBI, IDFCL, EXIM, NABARD & ICICI. Meaning and benefits of mutual funds, Types, SEBI guidelines.
4	November	D	Depositories Act 1996: Definitions, Rights and Obligations of Depositories, Participants Issuers and Beneficial Owners, Inquiry and Inspections, Penalty.

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Distribution of Syllabus and Lesson Plan

Session/ Year: 2024-2025 (Even Semester)

Name of the Department: PG Department of Commerce

Name of the Teacher: Dr. Sandeep Kaur

Class: B.Com-IVth Semester

Subject: Industrial Laws

Sr.No.	Month	Unit	Lesson Plan
1	January	A	THE FACTORIES ACT, 1948: Importance, Definitions, Provisions of the Factories Act relating of Health, Safety and welfare of the workers Working hours of Adults and Young persons. TRADE UNIONS ACT, 1926: Definition and Registration of trade unions Rights and liabilities of Registered Trade Unions. (Revision and tests taken)
2	February	B	INDUSTRIAL DISPUTES ACT, 1947: Meaning of Industrial Disputes, Authorities under the Industrial disputes Act, their duties and right, Strikes and lockouts, Lay off and retrenchment. (Revision and tests taken)
3	March	C	EMPLOYEES' STATE INSURANCE ACT, 1948: Constitution and Functions Employees state Insurance corporation, Standing committee and medical Benefit Council, Provisions relating to Contribution and benefits. (Revision and tests taken)
4	April	D	WORKMEN'S COMPENSATION ACT, 1923: A brief study of the basic provisions of the act. (Revision of this part and tests taken)

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Distribution of Syllabus and Lesson Plan

Session/ Year: 2024-2025 (Even Semester)

Name of the Department: PG Department of Commerce

Name of the Teacher: Dr. Sandeep Kaur

Class: B.Com-IVth Semester

Subject: PRINCIPLES AND PRACTICES OF BANKING AND INSURANCE

Sr.No.	Month	Unit	Lesson Plan
1	January	A	Banks: Their types and functions, Management and organizational set up of commercial banks, Impact of Banking reforms on organizational structure of banks (with SBI as model), Management of deposits, Advances and loans in commercial banks.
2	February	A	Central Bank-their role, objectives and functions Reserve Bank of India and its monetary policy since 1951. Present structure of commercial banking in India. State Bank of India.
3	March	B	Reforms and Indian Banking. Structure, Organisation and regulation of Indian Money Market and Capital Market. Introduction to mutual Funds.
4	April	B	Introduction to merchant banking. Introduction to Asset Liability Management. E-Banking. Electronic Transfer of Funds, Internet Banking. Financial Inclusion-Concept & Importance.

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Distribution of Syllabus and Lesson Plan

Session/ Year: 2024-2025 (Even Semester)

Name of the Department: PG Department of Commerce

Name of the Teacher: Dr. Sandeep Kaur

Class: B.Com-VIth Semester

Subject: Corporate Governance

Sr.No.	Month	Unit	Lesson Plan
1	January	A	Ethics in Business: Concept of Business Ethics. Corporate Code of Ethics: Environment, Accountability, Responsibility, Leadership, Diversity, Discrimination. Principles of Business Ethics, Characteristics of Ethical Organisation, Theories of Business Ethics, Globalization and Business Ethics, Stakeholder's Protection, Corporate Governance and Business Ethics. Corporate Governance: Conceptual framework of Corporate Governance, Insider Trading, Rating Agencies, Whistle Blowing
2	February	B	Corporate Governance Reforms, Initiatives in India including clause 49. Major Corporate Scandals: Junk Bond Scam (USA), Enron (USA), WorldCom (USA), Tyco (USA), Andersen Worldwide (USA), Kirch Media (Germany), Vivendi (France), Parmalat (Italy) and Satyam Computer Services Ltd (India)
3	March	C	Common Governance Problems Noticed in various Corporate Failures, Is Corporate Governance always the Cause for Corporate Failures? Codes & Standards on Corporate Governance: Sir Adrian Cadbury Committee (UK), 1992 , Calpers Global Corporate Governance Principles (USA), 1996, Hampel Committee on Corporate Governance (UK), 1997, Combined Code of Best Practices (London Stock Exchange), 1998
4	April	D	OECD Principles of Corporate Governance, 1999, CACG Guidelines/Principles for Corporate Governance in Commonwealth, 1999, Euro shareholders Corporate Governance Guidelines, 2000, Principles of Good Governance and Code of Best Practice (UK), 2000, Sarbanes–Oxley (SOX) Act, 2002 (USA), Smith Report, 2003 (UK)

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Distribution of Syllabus and Lesson Plan

Session/ Year: 2024-2025 (Even Semester)

Name of the Department: PG Department of Commerce

Name of the Teacher: Dr. Sandeep Kaur

Class: B.Com-VIth Semester

Subject: Financial Services

Sr.No.	Month	Unit	Lesson Plan
1	January	A	Financial services – meaning – features – importance – contribution of financial services in promoting industry – service sector Merchant banking – meaning, origin and growth of merchant banking in India. Scope of merchant banking services – merchant bankers and management of public issues – merchant banking practices in India. Weakness in the functioning of merchant bankers in India.
2	February	B	Mutual funds: Concept of mutual funds. Growth of mutual funds in India. Mutual fund schemes – money market mutual funds – private sector mutual funds – functioning of mutual funds in India.
3	March	C	Lease financing: Meaning – types of leasing – factors influencing lease – performance of leasing industry in India – RBI guidelines for hire–purchase – problems of hire–purchasing companies in India. Factoring: Concept of factoring – why factoring – types of factoring – factoring mechanism – securitization of debt – concept and mechanism
4	April	D	Retail banking services – personal loan – home loons – car loans – consumer loans – educational loans– concept of plastic money – credit cards – debit card – (meaning – features – types – merits and demerits of each services are covered) Venture Capital: Concept of venture capital fund – characteristics – growth of venture capital funds in India

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Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Session/ Year: 2024-2025 (Even Semester)

Name of the Department: PG Department of Commerce

Name of the Teacher: Dr. Sandeep Kaur

Class: M.Com-IInd Semester

Subject: Financial Management

Sr.No.	Month	Unit	Lesson Plan
1	January	A	Financial Management: Meaning and nature; Financial goal–profit vs. wealth maximization; Finance functions–investment, financing, liquidity and dividend decisions. Financial planning–Theories of capitalization. Capital Structure Theories: Conceptual framework. Determinants. Net income approach, Net operating income approach, Intermediary approach and M.M. Hypotheses with special reference to the process of arbitrage. Cost of Capital: Meaning and significance of cost of capital; Calculation of cost of debt, preference capital, equity capital and retained earnings; Combined cost of' capital (weighted).
2	February	B	Instruments of Finance: Long term and short term. Capital Budgeting: Nature of investment decisions; Investment evaluation criteria non– discounted cash flow criteria, discounted cash flow criteria; Risk analysis in capital budgeting (practicals through excel). Dividend Policies: Issues in dividend decisions. Forms of dividends; Theories of relevance and irrelevance of dividends.
3	March	C	Operating and Financial Leverage: Measurement of leverages; Analyzing Alternate Financial Plans; Financial and Operating leverage, Combined leverage. EBIT and EPS analysis Management of Working Capital: Meaning, Significance and Types of Working Capital; Approaches of Working Capital; Calculating Operating Cycle Period and Estimation of Working Capital Requirements.
4	April	D	Management of Cash: Strategies, Baumol's, Miller–Orr's and Beranek's models of Cash Management. Management of Receivables: Credit Policy, Credit Terms and Collection Efforts.

Sandeep Kaur

Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Session/ Year : 2024-2025 (Odd Semester)

Name of the Department: .....Economics .....

Name of the Teacher: SandhyaTuli.....

Class: ...MA ECO II.....

Subject: .....Economics of Development.....

Sr.No.	Month	Unit	Lesson Plan
1	August	I	Economic growth and economic development. HDI and PQLI, obstacles, growth models, Harrod- Domar, Solow ,Meade, model Robinson Kaldor.
2	September	II	classical and marxian theory of development, Schumpeter, Stage theory,Mdyral theory of circular causation,social and technological dualism,model of dualistic growth.
3	October	III	Big push ,balanced growth,unbalanced growth,critical minimum efforts,low level equilibrium trap
4	November	IV	Trade and development,two gap theory,import substitution,role of capital formation role of foreign ineconomic development.

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Distribution of Syllabus and Lesson Plan

Session/ Year : 2024-2025 (Odd Semester)

Name of the Department: .....Economics .....

Name of the Teacher: ... SandhyaTuli .....

Class: .....MA I(Eco)...Sem ...I.....

Subject: .....Macroeconomics -I.....

Sr.No.	Month	Unit	Lesson Plan
1	**August**	I	Concept of national income, circular flow of income, social accounts and its uses, classical and Keynesian model of income determination.
2	**September**	II	Keynes psychological law of consumption; short run and long run consumption function, income- consumption relationship- absolute income relative income.
3	**October**	III	Inducement to invest- marginal efficiency of investment and marginal efficiency of capital criterion.
4	**November**	IV	Concept of money, a behavioural model of money supply determination, high powered money and money multiplier, classical and Keynesian approach to demand for money.

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Distribution of Syllabus and Lesson Plan

Session/ Year : 2024-2025 (Odd Semester)

Name of the Department: .....Economics .....

Name of the Teacher: ..... SandhyaTuli .....

Class: .....BA -I.....

Subject: .....Micro Economics.....

Sr.No.	Month	Unit	Lesson Plan
1	**August**	I	Definition of economics, Nature and scope of microeconomics, basic economic problems, demand function ,elasticity of demand.
2	**September**	II	Utility analysis ,indifference curve analysis, concept of production function ,law of returns to scale, law of variable proportion, traditional theory concept and cost curve in the short run and in the long run.
3	**October**	III,IV	Perfect competition: assumptions ,price and output determination of firm in industry,Monopoly and monopolistic competition and its assumption.

4	**November**	IV	Rent:Concept of ricardian theory and modern theory of rent, Interest :concept of interest, classical theory, profit :concept of profit, risk and uncertainty theories.

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Distribution of Syllabus and Lesson Plan

Session/ Year : 2024-2025 (Odd Semester)

Name of the Department: ……Economics ……

Name of the Teacher: …… SandhyaTuli ……

Class: ……MCom-I……

Subject: ……Managerial Economics……

Sr.No.	Month	Unit	Lesson Plan
1	**August**	I	Managerial Economics: Meaning, Nature, Scope and Concepts Marginal Analysis: Law of Diminishing Marginal Utility, Law of Equimarginal Utility,Law of Demand: Meaning, Determinants, Exceptions, Kinds of Demand.

2	**September**	II	Elasticity of Demand: Meaning, Types and Degrees of Elasticity of Demand, Methods of Measuring Price Elasticity of Demand, Factors Determining Elasticity of Demand, Importance. Indifference Curve Analysis: Meaning, Assumptions, Properties.
3	**October**	III,IV	Production Function: Meaning, Types: Short Run and Long Run Production Function, Economies and Diseconomies of Scale.Managerial Theories: Profit maximization and Sales Maximization. Market Structure: Meaning, Assumptions and Equilibrium of Perfect Competition, Monopoly, Monopolistic Competition. Oligopoly: Sweezy Model. National Income: Conceptual Framework, Measures of National Income.
4	**November**	IV	Theory of Costs: Types of Costs, Traditional Theory: Long Run & Short Run, Modern Theory: Long Run & Short Run. Managerial Theories: Profit maximization and Sales Maximization.

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Distribution of Syllabus and Lesson Plan

Session/ Year : 2024-2025 (Even Semester)

Name of the Department: .....Economics.....

Name of the Teacher: .....Sandhya Tuli.....

Class: .....Bsc(Eco) I V.....

Subject: QuantitativeTechniques.....

Sr.No.	Month	Unit	Lesson Plan
1	**January**	I	Multiple linear regression, concepts, Estimation and application (without derivation)of partial and multiple correlation .
2	**February**	II	Non linear regression, Quadratic and Exponential, Estimation of fitting of various growth curve (modified Exponential ,Gompertz and Logistics) moments , Moments elementary treatments
3	**March**	III	Probability :definition, Additive and multiplicative laws and their applications ,Bayes theorem, concept of random variable, probability mass function and density function
4	**April**	IV	Mathematical Expectation (meaning and properties

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Distribution of Syllabus and Lesson Plan

Session/ Year : 2024-2025 (Even Semester)

Name of the Department: .....Economics .....

Name of the Teacher: ..... SandhyaTuli .....

Class: .....BA-I.....

Subject: .....Macro Economics -.....

Sr.No.	Month	Unit	Lesson Plan
1	**January**	I	Distinction between micro and macroeconomics, Determination of income and employment: classical and keynesian model, says law of market, aggregate demand and aggregate supply, consumption function: average and marginal propensity to consume, static and dynamic multiplier.
2	**February**	II	Investment :meaning, demand schedule and factors affecting investment demand, marginal efficiency of capital, multiplier and accelerator interaction, trade cycle: meaning, characteristics and phrases,Samuelson and Hicks models of trade cycle
3	**March**	III	Money: its function and its role money and capital market, quantity theory of money :fisher and Cambridge approach, banking :definition, of banks ,credit creation and credit control .
4	**April**	IV	Inflation: concept causes and cures ,inflation ,unemployment trade-off , fiscal policy: meaning, objective and instrument ,monetary: policy meaning ,objective and instrument.

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Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Session/ Year : 2024-2025 (Even Semester)

Name of the Department: .....Economics .....

Name of the Teacher: ..... SandhyaTuli .....

Class: .....MA (Eco)-I.....

Subject: .....Macro Economics...-II.....

Sr.No.	Month	Unit	Lesson Plan
1	**January**	I	Neo- classical keynesian synthesis: the IS-LM model, extension of IS-Lm model with government sector labour market and flexible prices, relative effectiveness of monetary and fiscal policy.
2	**February**	II	Theory of inflation: classical , Keynesian and monetary approach, structural theory of inflation, Philips curve analysis - short run and long run, natural rate of unemployment, tobin modified Philips curve, adaptive expectation and rational expectation.
3	**March**	III,IV	Business cycle: theory of Schumpeter,kaldor ,Hicks, control of business cycle.

4	**April**	IV	Mundell - fleming model, asset approach, monetary approach to balance of payment, the new classical approach new keynesian approach.

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Distribution of Syllabus and Lesson Plan

Session/ Year : 2024-2025 (Even Semester)

Name of the Department: .....Economics .....

Name of the Teacher: ..... SandhyaTuli .....

Class: .....MCom- I I.....Sem-IV.....

Subject: .....Financial Markets and Financial Services.....

Sr.No.	Month	Unit	Lesson Plan
1	**January**	I	Indian financial system: meaning, structure and role. Development Bank in India: meaning and evaluation, structure and promotional role, resource planning and mobilization. reserve Bank of India: organisation and management ,monetary policy and monetary control

2	**February**	II	NBFCs : concept and RBI guidelines, banking sector reforms in India, factoring services in India, venture capital financing in India.
3	**March**	IIII	CCIL: role and function, repos: concept, progress and process in India Government securities market in India, call money market in India.
4	**April**	IV	Commercial paper and certificate deposit market in India, securitization: progress process in India.

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Distribution of Syllabus and Lesson Plan

Session/ Year : 2024-2025 (Even Semester)

Name of the Department: .....Economics .....

Name of the Teacher: ..... SandhyaTuli .....

Class: .....MA-I.....

Subject: .....Money Banking and Finance.....

Sr.No.	Month	Unit	Lesson Plan
1	**January**	I	Money :definition, function and role of money in socialist and capitalist economy, kinds of money neutrality of money, supply of money in India, demand for money: fishers equation of exchange , Neo-Keynesian theory of demand for money.
2	**February**	II	Financial system: commercial banks: systems,theories of banking ,credit creation, non banking financial intermediaries: credit creation by NBFI, development banking, coordination between banks and term lending institution in India.
3	**March**	III	Banking in India: structure of commercial bank, regional rural bank, cooperative bank, banking sector reforms, Central banking :function with reference to developing countries, monetary policy: lags in monetary policy ,reserve Bank of India.
4	**April**	IV	Rate of interest: determination, theories of term structure of interest rates, nature and structure of interest rate in India, money and capital market, call money market, stock market in India, interest rate policy in India, financial sector reforms: recent developments.

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Signature of the Teacher

Distribution of Syllabus and Lesson Plan

Session/ Year : 2024-2025 (Even Semester)

Name of the Department: ZOOLOGY

Name of the Teacher: Dr. Simranjit Kaur

Class: B.Sc. IV SEM

Subject: ZOO-IV A: BIOCHEMISTRY (THEORY)

Sr.No.	Month	Unit	Lesson Plan
1	January	A	1. CARBOHYDRATES 2. PROTEINS 3. LIPIDS 4. NUCLEIC ACID
2	February	B	1. ENZYMES 2. LIPID METABOLISM
3	March	C	**CARBOHYDRATE METABOLISM** 1. GLYCOLYSIS 2. TCA CYCLE 3. HMP SHUNT 4. GLYCOGENESIS 5. GLYCOGENOLYSIS 6. GLUCONEOGENESIS 7. OXIDATIVE PHOSPHORYLATION
4	April	D	**PROTEIN METABOLISM** 1. METABOLISM OF AMINO ACID 2. OXIDATIVE DEAMINATION 3. TRANSAMINATION 4. DECARBOXYLATION 5. HYDROLYSIS OF PROTEINS 6. ORNITHINE CYCLE

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Distribution of Syllabus and Lesson Plan

Session/ Year : 2024-2025 (Even Semester)

Name of the Department: ZOOLOGY

Name of the Teacher: Dr. Simranjit Kaur

Class: B.Sc. IV SEM

Subject: ZOO-IV B: ANIMAL PHYSIOLOGY (THEORY)

Sr.No.	Month	Unit	Lesson Plan
1	January	A	1. DIGESTION 2. RESPIRATION
2	February	B	1. HEART 2. BLOOD 3. EXCRETION
3	March	C	1. MUSCLES 2. NEURAL INTEGRATION
4	April	D	1. PHYSIOLOGY OF BEHAVIOUR 2. ENDOCRINE GLANDS

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Distribution of Syllabus and Lesson Plan

Session/ Year : 2024-2025 (Even Semester)

Name of the Department: ZOOLOGY

Name of the Teacher: Dr. Simranjit Kaur

Class: B.Sc. VI SEM

Subject: ZOO-VI A: MEDICAL ZOOLOGY (THEORY)

Sr.No.	Month	Unit	Lesson Plan
1	January	A	1. INTRODUCTION TO PARASITOLOGY 2. INTRODUCTION TO PATHOGENIC MICROBES 3. EPIDEMIC DISEASES, SUCH AS TYPHOID, CHOLERA, SMALL POX
2	February	B	4. LIFE HISTORY, MODE OF INFECTION AND PATHOGENICITY OF: a. *Entamoeba, Trypanosoma, Leishmania, Giardia, Trichomonas and Plasmodium* b. *Fasciola, Schistosoma, Echinococcus, Ancylostoma, Trichinella, Wuchereria, Dracunculus, Oxyuris*
3	March	C	5. LIFE CYCLE AND CONTROL MEASURES OF ARTHROPOD VECTORS OF HUMAN DISEASE: Malaria, Yellow Fever, Dengue, Filariasis, Plague, Typhus
4	April	D	6. BRIEF INTRODUCTION TO HUMAN DEFENCE MECHANISM 7. HUMORAL AND CELL MEDIATED IMMUNE RESPONSE

Signature of the Teacher

Distribution of Syllabus & Lesson Plan

For the session 2024-25

Name of the Department: Commerce

Class: B. Com Ist Semester

Name of the Teacher : Dr. Varinder Kumar

Subject: **Financial Accounting**

Month	Topics to be covered
August	Introduction –Nature of financial Accounting–scope–objects–limitations– Accounting concepts and conventions. Introduction to Books of Accounts: Concept of Journal, Ledger, Cash Book and Trial Balance Capital, Revenue and Deferred Revenue Expenditure – Capital and revenue receipts.
September	Final Accounts of Sole Proprietor: Preparation and Presentation of Financial Statements Voyage Accounts–Meaning, accounting treatment in case of complete voyage & incomplete voyage.
October	Joint Venture – Meaning, types, determination of profits under different methods. Consignment Accounts–Meaning, features, consignee's commission, account sales, distinction between joint venture & consignment, accounting treatment in the books of consignor & consignee. Departmental Accounts – Meaning–Objects–Advantages–Accounting procedure– Allocation of expenses and incomes – Interdepartmental transfers – Provision for unrealized profit.
November	Branch Accounts –Features–Objects–Types of branches–Dependent branches– Account Systems –Stock and Debtors System –Independent branch –Features – Preparation of Consolidated Profit and Loss Account and Balance sheet.

Varinder Kumar

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Distribution of Syllabus & Lesson Plan

For the session 2024-25

Name of the Department: Commerce

Class: M.com Ist Semester

Name of the Teacher : Dr. Varinder Kumar

Subject: **Statistical Analysis for Business**

Month	Topics to be covered
August	Probability Theory: Probability–classical, relative, and subjective probability; Addition and multiplication probability models. Probability Distributions: Binomial. Poisson, and normal distributions; Their characteristics and applications.
September	Sampling and Data Collection: Sampling and sampling (probability and non probability) methods; Sampling and non–sampling errors. Primary data collection techniques; Survey and Observation methods: Secondary data sources; Commercial (Syndicated) and Non–commercial sources.
October	Questionnaire design. Hypotheses testing; Null and alternative hypothesis, type I and type II error. Large and small sampling tests–Z tests, T tests, and F tests. (ANOVA one–way and two– way), (Chi– square test.) Correlation: Simple, partial and multiple correlation coefficients; Practicals
November	Practicals of the Above

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Distribution of Syllabus & Lesson Plan

For the year 2024-25

Name of the Department: Commerce

Class: B. Com 3rd Semester

Name of the Teacher : Dr. Varinder Kumar

Subject: **Corporate Accounting**

Month	Topics to be covered
August	Accounting for Share Capital: Issue, Forfeiture and Reissue of forfeited shares– Redemption of preference shares including buy–back of equity shares Debentures: Issue and Redemption of Debentures Final Accounts of Limited Liability Companies: Preparation of Profit and Loss Account, Profit and Loss Appropriation Account and Balance Sheet in accordance with the provisions of the existing Companies Act (Excluding Managerial Remuneration).
September	Accounting for Amalgamation of Companies with reference to Accounting Standards issued by the Institute of Chartered Accountant of India (excluding inter–company transactions and holdings) – Accounting for Internal Reconstruction (excluding preparation of scheme for internal reconstruction).
October	Bank Accounts: General information relating to bank accounts – legal requirements affecting final accounts – Concept of Non–Performing Assets (NPA) – preparation of Profit and Loss Accounts and Asset classification – Balance sheet.
November	Insurance Companies Accounts: Books maintained by insurance companies, Explanation of special terms peculiar to insurance business, Accounts for life insurance business, types of policies, Annuity business, surrender value, paid up policy, life assurance fund – valuation balance sheet, preparation of final accounts of Life and General insurance business (as per the provisions of IRDA Act)

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Distribution of Syllabus & Lesson Plan

For the session 2024-25

Name of the Department: Commerce

Class: B. Com 5th Semester

Name of the Teacher : Dr. Varinder Kumar

Subject: **Management Accounting**

Month	Topics to be covered
August	Management Accounting: Nature and Scope – Difference between Cost Accounting, Financial Accounting and Management accounting – Recent Trends in Management Reporting. Analysis and Interpretation of Financial Statement: Meaning– Types and Methods of Financial Analysis – Comparative statements – Trend Analysis – Common size statements.
September	Ratio Analysis: Meaning –Nature – uses and limitations of Ratios, computation of Liquidity, turnover, leverage, profitability and market-based ratios.
October	Fund Flow Statements: Meaning and concept of fund– Flow of Fund –Preparation of Fund flow statements – uses and significance Responsibility Accounting: Concept– Significance– Responsibility centers Cash Flow Statement: Difference between fund flow statement and cash flow statements – Preparation of cash flow statements as per AS–3 Norms Transfer Pricing: Meaning & Methods.
November	Revision of the above

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Distribution of Syllabus & Lesson Plan

For the session 2024-25

Name of the Department: Commerce

Class: B. Com 2nd Semester

Name of the Teacher : Dr. Varinder Kumar

Topic: **Advanced Financial Accounting**

Month	Topics to be covered
January	Depreciation: Causes–Objects of providing for depreciation – Factors affecting depreciation – Accounting Treatment – Methods of providing depreciation: Straight line method – Diminishing Balance Method. Provisions and Reserves: Reserve Fund - Different Types of Provisions and Reserves. Accounts from Incomplete Records – Hire Purchase and Instalment Purchase System: Single Entry: Features – Books and Accounts maintained – Recording of transactions – Ascertainment of Profit (Statement of Affairs method only).
February	Hire Purchase System: Features – Accounting Treatment in the Books of Hire Purchaser and Hire Vendor – Default and Repossession. Instalment Purchase System: Difference between Hire purchase and Instalment Purchase Systems – Accounting Treatment in the books of Purchaser and Vendor.
March	Partnership Accounts: Legal provisions in the absence of Partnership Deed Fluctuating Capitals – Preparation of final accounts Treatment of Goodwill and Admission of a partner, accounting treatment of Retirement and Death of a Partner Section
April	Dissolution of Partnership Firms: Legal Position, Accounting for simple dissolution, Applications of rule in case of Garner Vs. Murray in case of insolvency of partner(s) (excluding piecemeal distribution and sale of a firm to a company).

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Distribution of Syllabus & Lesson Plan

For the session 2024-25

Name of the Department: Commerce

Class: B. Com 4th Semester

Name of the Teacher : Dr. Varinder Kumar

Subject: **Cost accounting**

Month	Topics to be covered
January	Introduction: Concept of Cost, Costing, Cost Accounting & Cost Accountancy, Limitations of Financial Accounting, Origin and Objectives of Cost Accounting, Advantages and Limitations of Cost Accounting, Difference between Financial and Cost Accounting, Cost Unit & Cost Centre, Elements of Cost: Material, Labour and other Expenses, Classification of Cost.
February	Unit Costing: Types of Costs and Preparation of Cost Sheet Contract Costing: Meaning, Features and Rules regarding the calculation of Profits in case of complete and incomplete contracts along with the treatment of Work-in-progress. Reconciliation of Cost & Financial accounts
March	Process Costing: Meaning, Features, Normal and Abnormal Loss/Gains, Inter process profits and equivalent production. Budget and Budgetary Control: Definition, Meaning and objectives of Budgetary Control Advantages and disadvantages of Budgetary Control, Types of budgets.
April	Marginal Costing: Meaning and various concepts-Fixed Cost Variable Cost, Contribution, P/V Ratio, Break Event Point, Margin of Safety, Managerial Applications. Standard Costing: Definition and Meaning of Various Concepts Advantages and Limitations of Standard Costing Variance Analysis: Material, Labour and Overheads Variances only.

Varinder Kumar

Signature of HOD/Teacher

Distribution of Syllabus & Lesson Plan

For the session 2024-25

Name of the Department: Commerce

Class: M.com 2nd Semester

Name of the Teacher : Dr. Varinder Kumar

Subject: **Research Methodology**

Month	Topics to be covered
January	Research methodology: Nature and scope; problem formulation and statement of research objectives. Research process. Choose a Research Topic.
February	Review of Literature: Goals of a Literature Review, Types of Reviews, Sources of Research Literature, Writing of Review. Research designs: Exploratory, descriptive and Causal designs (Basic designs—After only, Before After, After along with control group, Before after with control group, Time series designs).
March	Measurement concept, Levels of measurement: Nominal, Ordinal, Interval and Ratio. Attitude Measurement: Comparative and Non–comparative scaling techniques, Tabulation and cross–tabulation of data. Data Preparation, Analysis, and Interpretation: Data preparation, Data screening, Transforming data, Data Analysis and Interpretation. Data analysis techniques: Correlation, Regression simple and Multiple regression analysis with assumptions, Logistic Regression, Factor analysis and Discriminant Analysis.
April	Practicals through SPSS based on above topics

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Distribution of Syllabus & Lesson Plan

For the session 2024-25

Name of the Department: Commerce

Class: M. Com 4th semester

Name of the Teacher : Dr. Varinder Kumar

Subject: **International Financial Management**

Month	Topics to be covered
January	Foreign Exchange System: The Internationalization of Business and Finance, Alternative Exchange Rate Systems; International monetary system, The European Monetary System. Foreign Exchange Rate Determination: Introduction to spot market and Forward Market; Setting the Equilibrium Spot Exchange Rate; Factors affecting Currency Value: BOP Approach & Asset Market Approach; Role of Central Bank in Determination of Exchange Rates; Parity conditions in International Finance: Arbitrage and Law of One Price; Purchasing Power Parity; Fisher Effect; Fisher Effect in International Context.
February	Currency Forecasting: Interest Rate Parity Theory, The relationship between forward and future spot rate ,Currency Forecasting; Balance of payments: Balance of Payment Categories: Current Account, Capital Account, Official Reserves Account; Balance of Payment: The International flow of goods, services and capital, Coping with current account deficit.
March	Country Risk Analysis: Country Risk Analysis, Measuring & Managing Political Risk, Firm Specific Risks; Country Risk Analysis: Study of Economic & Political Factors Posing Risk. Measuring Various Exposures: Transaction Exposure, Operating Exposure and Translation Exposure. Risk Hedging-An Introduction
April	Foreign Exchange Risk Management: Foreign Exchange Instruments, Recent developments in derivatives markets in India; Currency Futures & Options Market; Interest Rate & Currency Swaps; Interest rate Forwards & Futures.

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Distribution of Syllabus and Lesson Plan

Session/ Year : 2024-2025 (Odd Semester)

Name of the Department: Commerce

Name of the Teacher: Dr. Varinder Kumar

Class: M.Com IIIrd Semester

Subject: Security Analysis and Portfolio Management

Sr.No.	Month	Lesson Plan
1	August	Efficient Market Theory: Random Walk: weak form, semi-strong, strong form of market. Empirical tests. Comparison of random walk, technical & fundamental analysis.
2	September	• Portfolio Management : Meaning, importance, objectives and various issues in portfolio construction, revision of portfolio and evaluation • Portfolio Analysis : Estimating rate of return and standard deviation of portfolio returns ; effects of combining securities ; Markowitz risk-return optimization.
3	October	• Single index model, Multifactor models • Derivatives: Forward, Future, Options & swaps.
4	November	Portfolio Performance Evaluation: Measure of return, risk adjusted measures of performance evaluation, market timing, evaluation criteria and procedures.

Varinder Kumar

Signature of the Teacher