

Lesson Plan (2021-2022)
B.A-Ist / B.T.M.-Ist Sem
ENGLISH

Oct. 2021 : Chapter-1, Speech Sounds,

Grammar: Noun

Chapter-2, Choosing Our Universe,

Grammar: Pronoun

Nov. 2021 : Chapter-3, Are Dams The Temples of Modern India?

Grammar: Adjective

Chapter-4, The Generation Gap,

Grammar: Verb

Dec. 2021 : Chapter-5, Language and National Identity,

Grammar: Adverb

Chapter-6, Wounded Plants,

Grammar: Prepositions

Jan. 2022 : Chapter-7, Playing the English Gentleman,

Grammar: Conjunction

Chapter-8, Great Books Born Out of Great Minds,

Grammar - Tenses

Feb. 2022 : Chapter-9, The Responsibility of Young Men,

Chapter-10, Bharat Mata

Revision and Practice of Transcription,
Grammar. Vocabulary exercises
of the whole book.

Sanjay

Baraj Dukan

Lesson Plan (2021-2022)
B. A and B.T.M - IInd Semester

ENGLISH

April 2022 : Chapter-1, Pigeons At Daybreak,
Text, Question-Answers, Vocabulary.

Grammar : Auxiliaries

Chapter-2, The Journey,
Text, Question-Answers, Vocabulary.

Grammar : Modals

May 2022 : Chapter-3, The Refugee, Text,
Question-Answers, Vocabulary,
Synonyms, Antonyms
Grammar : Subject-Verb Agreement.

Chapter-4, Bellows For the Bullock,
Text, Exercises, Vocabulary.

Grammar : Voice

June 2022 : Chapter-5, With the Photographer,
Text, Exercises, Vocabulary.

Grammar : Reported Speech.

Chapter-6, The Child, Text, Exercises
Vocabulary.

Grammar : Articles.

July 2022 : Chapter-7, The Blind Dog, Text,
Exercise, Vocabulary.

Grammar : Conjunctions

Chapter-8, The Panchlight, Text,
Exercise, Vocabulary.

Test and Revision of the text.

Sanjay
Saxena
Dukan

Lesson Plan (Odd Sem, 2021-22) (25 October to 22 February)

Class: BA & BTM II SEM: 3rd Subject: English.

Date	Topics
Week 1	Introduction to Poetic Forms and Devices
Week 2	Continued
Week 3	Reading poetry: Sonnet XVIII
Week 4	Know then Thyself, Gray's Elegy
Week 5	Wordsworth and Keats' poems
Week 6	Browning, Yeats, and Tagore
Week 7	The Bangle Sellers, and others
Week 8	Transcription and composition
Week 9	Clauses and types of sentences, conjunctions
Week 10	Prepositions
Week 11	Relative pronouns,
Week 12	Infinitives and gerunds
Week 13	Paragraph writing and comprehension
Week 14	important discussion points
Week 15 and onwards	Revision

Sanjay
Sanjay Balg

LESSON PLAN Even Sem 2021-22 (1 April to 19 July)

Class:BA & BTM

II, Semester IV, Subject: English

Date	Topics
Week 1	<i>Centre Stage</i> edited by Sunita Siroha, S.S. Rehal and Dinesh Kumar
Week 2	Discussion of Important terms related to the genre of drama
Week 3	Reading of the plays from the prescribed text including role play method
Week 4	Continued
Week 5	Continued
Week 6	Continued
Week 7	Reading extended grammar from the text
Week 8	Reading extended grammar from the text
Week 9	text-based questions
Week 10	Transcription
Week 11	Transcription continued
Week 12	Writing skills
Week 13	Translation from Hindi to English
Week 14	Translation from English to Hindi
Week 15 and onwards	Revision

Sanjay
Sanjay Bala

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B. Sc. I semester I (2021-22)

(October 2021 to February 2022)

Name of the Book: Chronicles of Time (An Anthology of Poems)

1. October 2021:

- a. First two Poems: Texts Interpretation and Tests on two poems (From 1st Oct. 2021 to 20th October 2021)
- b. Translation (From 21st Oct. 2021 to 31st Oct. 2021)

2. November 2021:

- a. 3rd and 4th Poems: Texts Interpretation and Tests on two poems (From 1st Nov. 2021 to 20th Nov. 2021)
- b. Translation plus Common Errors (From 21st Nov. 2021 to 30th Nov. 2021)

3. December 2021:

- c. 5th and 6th Poems: Texts Interpretation and Tests on two poems (From 1st Dec. 2021 to 20th Dec. 2021)
- d. Translation plus Paragraphs (From 21st Dec. 2021 to 31th Dec. 2021)

4. January 2022:

- e. 7th and 8th Poems: Texts Interpretation and Tests on two poems (From 1st Jan. 2022 to 20th Jan. 2022)
- f. Phrasal Verbs (From 21st Jan. 2022 to 30th Jan. 2022)

5. February 2022:

- g. 9th and 10th Poems: Texts Interpretation and Tests on two poems (From 1st Feb. 2022 to 12th Feb. 2022)
- h. Prepositions (From 13th Feb to 22nd Feb. 2022)

Submitted by:

Pooja

(Pooja Goyal)

Lesson Plan

B. Sc. I semester II (2021-22)

(April 2022 to July 2022)

Name of the Book: Ideas Aglow (A Collection of Essays)

1. April 2022:

- a. First Essay: (Our Civilization) Texts Interpretation and Tests (From 1st April to 20th April 2022)
- b. Translation (From 21st April to 31st April 2022)

2. May 2022:

- a. 2nd Essay: (It's Question Time):Texts Interpretation and Tests (From 1st May to 12th May 2022)
- b. 3rd Essay: (An Interview with Christian Bernard):Texts Interpretation and Tests (From 13th May 2022 to 25th May 2022)
- c. Précis: (From 21st May to 31st May 2022)

3. June 2022:

- d. 4th Essay: (Untouchability and Caste System):Texts Interpretation and Tests (From 1st June 2022 to 12th June 2022)
- e. 5th Essay: (Inhumanization of War):Texts Interpretation and Tests (From 13th June to 25th June 2022)
- f. Letter Writing: (From 26st June to 30th June 2022)

4. July 2022:

- g. 6th Essay: (Seven Types of Gender Inequality):Texts Interpretation and Tests (From 1st July to 10th July 2022)
- h. Revision of Composition and Grammar Topics: (From 11th July to 18th July 2022)

Submitted by:

Pooja

(Pooja Goyal)

GOVT. P. G. COLLEGE, AMBALA CANTT

Lesson Plan

2021-2022(Even Semester)

9th April 2022 - 19th July 2022

Name: Dr. Sushma Devi

Class: B. Sc. 2nd Semester (CS and NM)

Subject: Physics

Paper: Properties of Matter and Kinetic Theory of Gases (PH-201)

Week		Topics
1	Unit I: Moment of inertia	Introduction
		Rotation of rigid body
		Moment of inertial
		Sunday
2	Unit 1: Moment of inertia	Torque, angular momentum
		Kinetic Energy of rotation.
		Theorem of perpendicular and parallel axes (with proof),
		Sunday
3	Unit 1: Moment of inertia	Moment of inertia of solid sphere
		Moment of inertia of hollow sphere, spherical shell
		Moment of inertia of hollow cylinder
		Sunday
4	Unit 1: Moment of inertia	solid bar of rectangular cross-section
		Fly wheel,
		Moment of inertia of an irregular body

Week		Topic
5	Unit1: Moment of inertia	Numerical
		Acceleration of a body rolling down on an inclined plane
		Moment of inertia of solid cylinder.
		Sunday
6	Unit2: Elasticity	Elasticity, Stress and Strain, Hook's law
		Elastic constant and their relations, Poisson's ratio
		Torsion of cylinder and twisting couple. ASSIGNMENT 1
		Sunday
7	Unit2: Elasticity	Determination of coefficient of modulus of rigidity for the material of wire by Maxwell's needle,
		Bending of beam (Bending moment and its magnitude),
		Cantilever and Centrally loaded beam
		Sunday
8	Unit2: Elasticity	Determination of Young's modulus for the material of the beam
		Elastic constants for the material of the wire by Searle's method.
		ASSIGNMENT 2
		Sunday
9	Unit 3: Kinetic theory of gases-I	Assumption of Kinetic theory of gases,
		pressure of an ideal gas (with derivation),
		Numerical

Week		Topics
10	Unit3: Kinetic theory of gases-I	Kinetic interpretation of Temperature,
		Ideal Gas equation, Degree of freedom,
		Law of Equi-partition of energy and its application for specific heat of gases
		Sunday
11	Unit 3: Kinetic theory of gases-I	Real gases, Vander wall's equation
		Brownian motion.
		TEST 1
		Sunday
12	Unit 4: Kinetic theory of gases-II	Maxwell's distribution of speed and velocities
		Experimental verification of Maxwell's law of speed distribution
		most probable speed,
		Sunday
13	Unit 4: Kinetic theory of gases-II	average and r.m.s. speed
		Transport of energy
		Transport of momentum
		sunday
14	Unit 4: Kinetic theory of gases-II	Mean free path,
		Diffusion of gases
		Numerical

Ashma Devi
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Govt. P. G. College Ambala Cantt

Lesson Plan 2021-2022 (Even Semester)

Name of Assistant Professor: Dr. Priyanka (Department of Physics),

Class: B.Sc.-I (Physics) Semester II, Subject: Physics-PH-202, Paper – IV: Semiconductor Devices

S.No.	Week	Topic
1.	11.04.22 to 16.04.22	Unit I: Semiconductors Energy bands in solids, Intrinsic and extrinsic semiconductors, carrier mobility and electrical resistivity of semiconductors, Hall effect. Problems
2.	18.04.22 to 23.04.22	P-N junction diode and their characteristics, Zener and Avalanche breakdown, Zener diode, Zener diode as a voltage regulator. Light emitting diodes (LED), Photoconduction in semiconductor. Doubts and Discussions
3.	25.04.22 to 30.04.22	Photodiode, Solar Cell, p-n junction as a rectifier, half wave and full wave rectifiers (with derivation).
4.	02.05.22 to 07.05.22	Filters (series inductor, shunt capacitance, L-section or choke, π and R.C. filter circuits). Test
5.	09.05.22 to 14.05.22	Unit 2: Transistors Junction transistors, Working of NPN and PNP transistors, Three configurations of transistor (C-B, C-E, C-C modes).
6.	16.05.22 to 21.05.22	Common base, Common emitter characteristics of transistor, Doubts and Discussions
7.	23.05.22 to 28.05.22	Common collector characteristics of transistor, Constants of a transistor and their relation, Advantages and disadvantages of C-E configuration. D.C. load line.
8.	30.05.22 to 04.06.22	Transistor biasing; various methods of transistor biasing and stabilization. Problems & Test
9.	06.06.22 to 11.06.22	Unit 3: Transistor Amplifiers Amplifiers, Classification of amplifiers, common base and common emitter amplifiers, coupling of amplifiers.
10.	13.06.22 to 18.06.22	Various methods of coupling, Resistance- Capacitance (RC) coupled amplifier (two stage, concept of band width, no derivation) Doubts and Discussion
11.	20.06.22 to 25.06.22	Feedback in amplifiers, advantages of negative feedback, emitter follower, distortion in amplifiers.
12.	27.06.22 to 02.07.22	Unit 4: Oscillators Oscillators, Principle of oscillation, classification of oscillators.
13.	04.07.22 to 09.07.22	Condition for self-sustained oscillation: Barkhausen criterion for oscillation. Test
14.	11.07.22 to 16.07.22	Tuned collector common emitter oscillator, Hartley oscillator, C.R.O. (Principle and Working). Revision
15.	18.07.22 & 19.07.22	Revision and Doubts

Priyanka
(DR PRIYANKA)

Government P.G. College Ambala Cantt.
Lesson Plan (Odd semester) Session 2021-22
B.Sc. I (II Semester)
Physics-Semiconductor Devices


Dates	Topics to be covered
11-04-2022 to 16-04-2022	Energy bands in solids, Intrinsic and extrinsic semiconductors, carrier mobility and electrical resistivity of semiconductors
18-04-2022 to 23-04-2022	Hall effect, p-n junction diode and their characteristics, Zener and Avalanche breakdown, Zener diode, Zener diode as a voltage regulator.
25-04-2022 to 30-04-2022	Light emitting diodes (LED), Photoconduction in semiconductors, Photodiode, Solar Cell, p-n junction as a rectifier
02-05-2022 to 07-05-2022	half wave and full wave rectifiers (with derivation), filters (series inductor, shunt capacitance, L-section or choke, π and R.C. filter circuits). Revision and test of unit-1
09-05-2022 to 14-05-2022	Junction transistors, Working of NPN and PNP transistors, Three configurations of transistor (C-B, C-E, C-C modes)
16-05-2022 to 21-05-2022	Common base, common emitter and common collector characteristics of transistor, Constants of a transistor and their relation, Advantages and disadvantages of C-E configuration
23-05-2022 to 28-05-2022	D.C. load line .Transistor biasing; various methods of transistor biasing and stabilization Revision and test of unit-2
30-05-2022 to 04-06-2022	Amplifiers, Classification of amplifiers, common base and common emitter amplifiers
06-06-2022 to 11-06-2022	coupling of amplifiers, various methods of coupling, Resistance- Capacitance (RC) coupled amplifier (two stage, concept of band width, no derivation)
13-06-2022 to 18-06-2022	RC coupled amplifier, Feedback in amplifiers
20-06-2022 to 25-06-2022	advantages of negative feedback, emitter follower, distortion in amplifiers. Revision and test of unit-3
27-06-2022 to 02-07-2022	Oscillators, Principle of oscillation, classification of oscillators, Condition for self sustained oscillation: Barkhausen criterion for oscillation
04-07-2022 to 09-07-2022	Tuned collector common emitter oscillator, Hartley oscillator
11-07-2022 to 16-07-2022	C.R.O. (Principle and Working).
18-07-2022 to 19-07-2022	Doubts and revision of syllabus

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Teaching Plan for 2021-22 (Even Semester)

BSc II -PH 402 (Waves and Optics)

11-4-2022 to 16-4-2022	Polarization: Polarisation by reflection, refraction and scattering, Malus Law, Phenomenon of double refraction, Huygen's wave theory of double refraction (Normal and oblique incidence), Analysis of polarized Light.
18-4-2022 to 23-04-2022	Nicol prism, Quarter wave plate and half wave plate, production and detection of (i) Plane polarized light (ii) Circularly polarized light and (iii) Elliptically polarized light
25-04-2022 to 30-04-2022	Optical activity, Fresnel's theory of optical rotation, Specific rotation, Polarimeters (half shade and Biquartz).
02-05-2022 to 07-05-2022	Fourier analysis, Fourier theorem and Fourier series, evaluation of Fourier coefficient, importance and limitations of Fourier theorem, even and odd functions
09-05-2022 to 14-05-2022	Fourier series of functions $f(x)$ between (i) 0 to 2π , (ii) $-\pi$ to π , (iii) 0 to π , (iv) $-L$ to L , complex form of Fourier series,
16-05-2022 to 21-05-2022	Application of Fourier theorem for analysis of complex waves: solution of triangular and rectangular waves , half and full wave rectifier outputs,
23-05-2022 to 28-05-2022	Parseval identity for Fourier Series, Fourier integrals
30-05-2022 to 04-06-2022	Fourier transforms and its properties, Application of Fourier transform (i) for evaluation of integrals, (ii) for solution of ordinary differential equations
06-06-2022 to 11-06-2022	Fourier transform of the following functions: 1. $f(x) = e^{-x^2/2} \quad 1 < |X| < a$ 2. $f(x) = |x| \quad 0 > |X| > a$ Numericals related to Fourier transforms
13-06-2022 to 18-06-2022	Matrix methods in paraxial optics, effects of translation and refraction, derivation of thin lens and thick lens formulae, unit plane, nodal planes, system of thin lenses.
20-06-2022 to 25-06-2022	Chromatic, spherical, coma, astigmatism and distortion aberrations and their remedies
27-06-2022 to 02-07-2022	Optical fiber, Critical angle of propagation, Mode of Propagation, Acceptance angle, Fractional refractive index change, Numerical aperture
04-07-2022 to 09-07-2022	Types of optics fiber, Normalized frequency, Pulse dispersion, Attenuation
11-7-2022 to 16-07-2022	Applications of fiber optics, Fiber optic Communication
18-07-2022 to 19-07-2022	Revision
Even Semester Exams	


(Dr Alka)
(Ass. Prof. in Physics)

Government P.G. College Ambala Cantt.
Lesson Plan (Odd semester) Session 2021-22
B.Sc. II (IV Semester)
Physics- Statistical Physics

Dates	Topics to be covered
11-04-2022 to 16-04-2022	Microscopic and Macroscopic systems, events-mutually exclusive, dependent and independent. Probability, statistical probability, A- priori Probability and relation between them, probability theorems, some probability considerations,
18-04-2022 to 23-04-2022	combinations possessing maximum probability, combination possessing minimum probability, Tossing of 2,3 and any number of Coins Permutations and combinations, distributions of N (for N= 2,3,4) distinguishable and indistinguishable particles in two boxes of equal size,
25-04-2022 to 30-04-2022	Micro and Macro states, Thermodynamical probability, Constraints, and Accessible states, Statistical fluctuations, the general distribution of distinguishable particles in compartments of different sizes
02-05-2022 to 07-05-2022	Condition of equilibrium between two systems in thermal contact— β parameter, Entropy and Probability (Boltzman's relation). Revision and test of unit-1
09-05-2022 to 14-05-2022	Postulates of statistical physics, Phase space, Division of Phase space into cells, three kinds of statistics, basic approach in three statistics, M. B. statistics applied to an ideal gas in equilibrium- energy distribution law (including evaluation of α and β)
16-05-2022 to 21-05-2022	speed distribution law & velocity distribution law.
23-05-2022 to 28-05-2022	Expression for average speed, r.m.s. speed, average velocity, r. m. s. velocity, most probable energy & mean energy for Maxwellian distribution Revision and test of unit-2 Need for Quantum Statistics: Bose-Einstein energy distribution law,
30-05-2022 to 04-06-2022	Application of B.E. statistics to Planck's radiation law B.E. gas, Degeneracy and B.E. Condensation, Fermi- Dirac energy distribution law, F.D. gas and Degeneracy
06-06-2022 to 11-06-2022	Fermi energy and Fermi temperature, Fermi Dirac energy distribution law, Fermi Dirac gas and degeneracy, Fermi energy and Fermi temperature
13-06-2022 to 18-06-2022	Fermi Dirac energy distribution law for electron gas in metals, Zero point energy, Zero point pressure and average speed (at 0 K) of electron gas, Specific heat anomaly of metals and its solution
20-06-2022 to 25-06-2022	M.B. distribution as a limiting case of B.E. and F.D. distributions, Comparison of three statistics. Revision and test of unit-3
27-06-2022 to 02-07-2022	Dulong and Petit law. Derivation of Dulong and Petit law from classical physics. Specific heat at low temperature
04-07-2022 to 09-07-2022	Einstein theory of specific heat, Criticism of Einstein theory, Debye model of specific heat of solids
11-07-2022 to 16-07-2022	success and shortcomings of Debye theory, comparison of Einstein and Debye theories Revision and test of unit-4
18-07-2022 to 19-07-2022	Doubts and revision of syllabus

Hans
(Hameet kaur)

Govt. P. G. College Ambala Cantt

Lesson Plan 2021-2022 (Even Semester)

Name of Assistant Professor: Dr. Priyanka (Department of Physics)

Class: B.Sc.-II (Physics) Semester – IV, Subject: Physics- PH-401, Paper VII: Statistical Physics

S.No.	Week	Topic
1.	11.04.22 to 16.04.22	Unit –I: Statistical Physics I -Microscopic and Macroscopic systems, events-mutually exclusive, dependent and independent. Probability, statistical probability, A- priori Probability and relation between them, probability theorems, some probability considerations, combinations possessing maximum probability, combination possessing minimum probability.
2.	18.04.22 to 23.04.22	Tossing of 2,3 and any number of Coins, Permutations and combinations, distributions of N (for N= 2,3,4) distinguishable and indistinguishable particles in two boxes of equal size. Related Problems and Discussions.
3.	25.04.22 to 30.04.22	Micro and Macro states, Thermodynamical probability, Constraints and Accessible states, Statistical fluctuations, general distribution of distinguishable particles in compartments of different sizes. Test
4.	02.05.22 to 07.05.22	Condition of equilibrium between two systems in thermal contact-- β parameter, Entropy and Probability (Boltzman's relation). Unit –II: Statistical Physics II , Postulates of statistical physics Phase space.
5.	09.05.22 to 14.05.22	Division of Phase space into cells, three kinds of statistics, Basic approach in three statistics. M. B. statistics applied to an ideal gas in equilibrium- energy distribution law (including evaluation of σ and β).
6.	16.05.22 to 21.05.22	Speed distribution law & velocity distribution law. Expression for average speed, r.m.s. speed, average velocity, r. m. s. velocity, most probable energy & mean energy for Maxwellian distribution. Related Problems, Discussion & Test
7.	23.05.22 to 28.05.22	Unit-III: Quantum Statistics Need for Quantum Statistics: Bose-Einstein energy distribution law, Application of B.E. statistics to Planck's radiation law B.E. gas.
8.	30.05.22 to 04.06.22	Degeneracy and B.E. Condensation, Fermi-Dirac energy distribution law. Doubts and Discussions
9.	06.06.22 to 11.06.22	Fermi Dirac gas and degeneracy, Fermi energy and Fermi temperature. Related Problems & Discussion
10.	13.06.22 to 18.06.22	Fermi Dirac energy distribution law for electron gas in metals, Zero point energy, Zero point pressure and average speed (at 0 K) of electron gas. Related Problems & Discussion & Test
11.	20.06.22 to 25.06.22	Specific heat anomaly of metals and its solution. M.B. distribution as a limiting case of B.E. and F.D. distributions, Comparison of three statistics.
12.	27.06.22 to 02.07.22	Unit-IV: Theory of Specific Heat of Solids Dulong and Petit law. Derivation of Dulong and Petit law from classical physics. Specific heat at low temperature.

13.	04.07.22 to 09.07.22	Einstein theory of specific heat, Criticism of Einstein theory, Revision, Test and Discussion.
14.	11.07.22 to 16.07.22	Debye model of specific heat of solids, success and shortcomings of Debye theory, comparison of Einstein and Debye theories. Revision
15.	18.07.22 & 19.07.22	Revision and Doubts

Po Priyanka
(DR PRIYANKA)

Govt. P. G. College Ambala Cantt

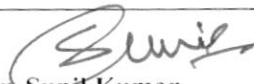
Lesson Plan 2021-2022 (Even Semester)

Name of Assistant Professor: Dr. Sunil Kumar (Department of Physics)

Class: B.Sc. Computer Science (Sem-6th)

Subject: Physics (Paper II: Atomic & Molecular Physics)

S.No.	Week	Syllabus
1.	Weak 1	Unit – I: Historical background of atomic spectroscopy Introduction of early observations, emission and absorption spectra, atomic spectra, wave number, spectrum of Hydrogen atom in Balmer series, Bohr atomic model(Bohr's postulates)
2.	Weak 2	Spectra of Hydrogen atom, explanation of spectral series in Hydrogen atom, un-quantized states and continuous spectra, spectral series in absorption spectra, effect of nuclear motion on line spectra (correction of finite nuclear mass), variation in Rydberg constant due to finite mass, shortcomings of Bohr's theory
3.	Weak 3	Wilson Sommerfeld quantization rule, de-Broglie interpretation of Bohr quantization law, Bohr's corresponding principle, Sommerfeld's extension of Bohr's model, Sommerfeld relativistic correction
4.	Weak 4	Shortcomings of Bohr-Sommerfeld theory, Vector atom model; space quantization, electron spin, coupling of orbital and spin angular momentum
5.	Weak 5	Spectroscopic terms and their notation, quantum numbers associated with vector atom model, transition probability and selection rules.
6.	Weak 6	Unit –II: Vector Atom Model (single valance electron) Orbital magnetic dipole moment (Bohr magneton), behavior of magnetic dipole in external magnetic field; Larmors' precession and theorem. Penetrating and Non-penetrating orbits, Penetrating orbits on the classical model
7.	Weak 7	Quantum defect, spin orbit interaction energy of the single valance electron, spin orbit interaction for penetrating and non-penetrating orbits, quantum mechanical relativity correction, Hydrogen fine spectra, Main features of Alkali Spectra and their theoretical interpretation, term series and limits
8.	Weak 8	Rydeburg-Ritze combination principle, Absorption spectra of Alkali atoms, observed doublet fine structure in the spectra of alkali metals and its Interpretation
9.	Weak 9	Intensity rules for doublets, comparison of Alkali spectra and Hydrogen spectrum. UNIT-III: Vector Atom model (two valance electrons) Essential features of spectra of Alkaline-earth elements, Vector model for two valance electron atom: application of spectra.
10.	Weak 10	Coupling Schemes: LS or Russell – Saunders Coupling Scheme and JJ coupling scheme. Interaction energy in L-S coupling (sp, pd configuration), Lande interval rule, Pauli principal and periodic classification of the elements.
11.	Weak 11	Interaction energy in JJ Coupling (sp, pd configuration), equivalent and non-equivalent electrons, Two valance electron system-spectral terms of non-equivalent and equivalent electrons,
12.	Weak 12	Comparison of spectral terms in L-S And J-J coupling..Hyperline structure of spectral lines and its origin: isotope effect, nuclear spin Unit –IV: Atom in External Field: Zeeman Effect (normal and Anomalous)
13.	Weak 13	Experimental set-up for studying Zeeman effect, Explanation of normal Zeeman effect(classical and quantum mechanical)
14.	Weak 14	Explanation of anomalous Zeeman effect(Lande g-factor), Zeeman pattern of D1 and D2 lines of Na Atom, Paschen-Back effect of a single valance electron system. Class Test
15.	Weak 15	Weak field Stark effect of Hydrogen atom. Molecular Physics General Considerations, Electronic States of Diatomic Molecules, Rotational Spectra (Far IR and Microwave Region)
16.	Weak 16	Vibrational Spectra (IR Region), Rotator Model of Diatomic Molecule, Raman Effect, Electronic Spectra. Class Test


Dr. Sunil Kumar
 Govt. PG College, Ambala Cantt



THE UNIVERSITY OF CHICAGO

PHYSICS DEPARTMENT

PHYSICS 309

LECTURE 10

STATISTICAL MECHANICS

ENTROPY

MAXWELL-BOLTZMANN DISTRIBUTION

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Government PG College, Ambala Cantt.

Lesson Plan: 2021-22 (ODD)

Class: BBA 3rd Semester

Subject: Business Statistics

Teacher Name: Pardeep Kumar

Name of Month	Topics to be Taught
October 2021	Introduction, definition, scope, functions, importance, limitations and distrust of statistics; types of statistical methods; data collection and analysis; types of data: primary and secondary data; characteristics of a graph: types of graph and the merits and demerits.
November 2021	Measures of central tendency: meaning and definition; Types of averages, median, mode, arithmetic mean, geometric mean, harmonic mean, quadratic mean, moving average, progressive average; relation between mean, median and mode.
December 2021	Measures of dispersion and skewness: absolute and relative measures of dispersion range, quartile deviation, mean and standard deviation; difference between skewness and dispersion, empirical relation among various measures of dispersion, moments and kurtosis.
January 2022	Sampling: introduction, census versus sample errors in sampling, types of sampling, judging reliability of sample. Business forecasting: meaning, steps in business forecasting and methods of forecasting
February 2022	Index numbers: introduction, types of index numbers, methods of constructing index numbers, uses of index numbers. Computation of above mentioned statistical techniques with Microsoft excel.

Government PG College, Ambala Cantt.

Lesson Plan: 2021-22 (ODD)

Class: B. Com (G) 1st Semester

Subject: Business Communication

Teacher Name: Pardeep Kumar

Name of Month	Topics to be Taught
October 2021	Business communication: meaning; forms of electronic communication; models and processes; theories of communication.
November 2021	Corporate communication: audience analysis; formal and informal communication network; communication barriers; improving communication;
December 2021	Effective presentation skills: individual and group presentation; practices in business communication: group discussion, mock-interview and seminars; report writing: principles and contents.
January 2022	Self-development and communication: development of positive attitude; SWOT analysis; body language: kinesics, proxemics, para language;
February 2022	Principles of effective listening: oral, written and video session; Interviewing skills: appearing and conducting; writing resume; Writing business letters and emails; Etiquettes in verbal, written and online communication.

Government PG College, Ambala Cantt.

Lesson Plan: 2021-22 (ODD)

Class: B.Com (G) 3rd Semester

Subject: Business Statistics

Teacher Name: Pardeep Kumar

Name of Month	Topics to be Taught
October 2021	Introduction of statistics: concept, scope, usefulness & limitations of statistics, distrust of statistics. Collection of data: primary and secondary data, methods of collection of data.
November 2021	Measure of central tendency: Mean median, mode, harmonic mean and geometric mean. Measure of dispersion: range, inter-quartile range, quartile deviation, mean deviation, standard deviation, coefficient of variation, Lorenz curve.
December 2021	Index numbers: meaning, types and uses of index numbers, methods of preparation of index numbers: simple or unweighted and weighted index number, problems in the preparation of index numbers, Tests of adequacy; Chain-base index numbers; Base shifting, Splicing and deflating, Consumer price index.
January 2022	Analysis of Times Series: causes of variation in time series data; Components of a time series; Decomposition: additive and multiplicative models; determination of trend: moving averages method
February 2022	Method of Least Squares (including linear second degree, parabolic, and exponential trend); Computation of seasonal-indices by sample averages, ratio-to-trend, ratio-to moving average and link relative methods.

LESSON PLAN: M COM 4th Sem. Strategic Management (2022)

Week -1,2&3	Strategic Management-Meaning, Scope and Process of Formulation. Analysis of Internal and external environment, Industry Analysis, Competition Analysis, SWOT Analysis, Value Chain Analysis,
Week -4&5	Business strategies, Cost-leadership, Product-differentiation and Concentric Strategies
Week -6,7&8	Corporate Strategies-Growth, Stability and Retrenchment Strategies
Week -9,10&11	Corporate Governance, Corporate Leadership- Succession plan and Corporate Social Responsibility
Week – 12,13&114	Strategic Implementation, 7s Model, behavioural implementation, problems in implementation Revision, Assignments, Tests etc.

LESSON PLAN: M COM 2th Sem. (CORPORATE ACCOUNTING (2022)

Week -1,2&3	Issue of share, Pro-rata Allotment, Forfeiture, Buy-back, Right Issue
Week -4&5	Reconstruction, External and Internal Re-construction, Amalgamation in the nature of Purchase and Pooling of Interest.
Week -6,7&8	Meaning and Preparation of Consolidated Balance Sheet, Partially-Owned and Fully-owned Subsidiary, Pre acquisition and Post Acquisition Profits, Issue of bonus Share out of Pre-acquisition and Post Acquisition Profits
Week -9,10&11	Harmonisation of Accounts, Social Accounting, Human Resource Accounting
Week – 12,13&114	Preparation and Presentation of Final Accounts- Practices Revision, Assignments, Tests etc.

LESSON PLAN: M COM 4th Sem. Strategic Management (2022)

Week -1,2&3	Strategic Management-Meaning, Scope and Process of Formulation. Analysis of Internal and external environment, Industry Analysis, Competition Analysis, SWOT Analysis, Value Chain Analysis,
Week -4&5	Business strategies, Cost-leadership, Product-differentiation and Concentric Strategies
Week -6,7&8	Corporate Strategies-Growth, Stability and Retrenchment Strategies
Week -9,10&11	Corporate Governance, Corporate Leadership- Succession plan and Corporate Social Responsibility
Week – 12,13&114	Strategic Implementation, 7s Model, behavioural implementation, problems in implementation Revision, Assignments, Tests etc.

LESSON PLAN: M COM 2th Sem. (CORPORATE ACCOUNTING (2022))

Week -1,2&3	Issue of share, Pro-rata Allotment, Forfeiture, Buy-back, Right Issue
Week -4&5	Reconstruction, External and Internal Re-construction, Amalgamation in the nature of Purchase and Pooling of Interest.
Week -6,7&8	Meaning and Preparation of Consolidated Balance Sheet, Partially-Owned and Fully-owned Subsidiary, Pre acquisition and Post Acquisition Profits, Issue of bonus Share out of Pre-acquisition and Post Acquisition Profits
Week -9,10&11	Harmonisation of Accounts, Social Accounting, Human Resource Accounting
Week – 12,13&114	Preparation and Presentation of Final Accounts- Practices Revision, Assignments, Tests etc.

Name of Teacher: Parmil Kumar, Associate Professor Commerce

LESSON PLAN: B COM 6th Sem. (2022)

Week -1&2	Management Accounting: nature, significance and scope, rules and techniques of management accounting; difference between cost accounting and management accounting, cost control, cost reduction, cost management.
Week -3,4&5	Budgeting and budgetary control: concept of budget and budgetary control objectives, merits, and limitations, budget administration, functional budgets, fixed and flexible budgets, zero base budget, programme and performance budgets.
Week -6,7&8	Standard costing and variance analysis: concept & significance; advantages, limitations and applications, variance analysis – material, labour.
Week -9,10&11	Absorption versus variable costing: distinctive features and income determination; cost-volume-profit analysis: break-even analysis-algebraic and graphic methods; contribution; P/V ratio, break-evenpoint; margin of safety: angle of incidence; determination of cost indifference point.
Week –12,13&14	Responsibility accounting: concept, significance, types of responsibility centers, divisional performance measurement – financial measures. Revision, Assignments, Tests etc.

Name of Teacher: Gaytri, Associate Professor Commerce

LESSON PLAN: Mcom 2nd Sem. (2022) Financial Mgt and Policy

Week -1&2	Financial mgt;nature significance and scope
Week -3,4&5	Time value of money, Financial planning and forecasting
Week -6,7&8	Sources of Finance, Cost of capital, Capital structure
Week -9,10&11	.Working capital management, Capital budgeting Decisions
Week –12,13&14	Revision, Assignments, Tests etc.

Name of Teacher: Gaytri, Associate Professor Commerce

LESSON PLAN: Bcom 6th Sem. (2022) Retail Management

Week -1&2	Retail :meaning nature and scope
Week -3,4&5	Theories and models in retail, retail strategic planning and operation mgt.
Week -6,7&8	Planning location of retail business, retail communication security issues
Week -9,10&11	.Store design, Store layout, ,organisational structure, IT in retail and FDI in retail
Week –12,13&14	Revision, Assignments, Tests etc.

Lesson plan for odd semester

M.A. (FINAL) ENGLISH

THIRD SEMESTER

Critical theory - XI

Part I

28 October 2021 to 18 November 2021

Unit-I Aristotle: Poetics

19 November 2021 to 10 December 2021

Poetics Unit-II Bharatmuni:

Natyashastra (Ed. Dr. N.P. Unni)

Chapter-I: The Origin of Drama

Chapter-VI: Sentiments

Chapter-VII: The Exposition of Emotion

11 December 2021 to 15 January 2022

Unit-III Horace: Ars Poetica

16 January 2022 to 05 February 2022

Unit-IV Dr. Johnson: Preface to Shakespeare

February 06-21, 2022

Revision and test

Munish Tripathi

Lesson plan for even semester

M.A. (FINAL) ENGLISH

FOURTH SEMESTER

Critical theory - XVI

Part II

01 April 2022 to 20 April 2022

Unit-I

William Wordsworth: Preface to Lyrical Ballads

21 April 2022 to 10 May 2022

Unit-II Matthew Arnold: Selections from Essays in Criticism

1. "The Function of Criticism at the Present Time"
2. "The Study of Poetry"
3. "John Keats"

11 May 2022 to 31 May 2022

Unit-III

(i) Virginia Woolf: "Modern Fiction"

(ii) T.S. Eliot: "Tradition and the Individual Talent"

(iii) I.A. Richards: Chapters XXVII and XXVIII of Principles of Literary Criticism

("Levels of Response and the Width of Appeal" and "The Allusiveness of Modern Poetry")

01 June 2022 to 30 June 2022

Unit-IV

(i) Saussure: "The Object of Study"

(ii) Elaine Showalter: "Feminist Criticism in Wilderness"

(iii) M.H. Abrams: "The Deconstructive Angel"

July 01-18, 2022

Revision and test

Lesson plan for even semester

M.A. (FINAL) ENGLISH

FOURTH SEMESTER

Critical theory - XVI

Part II

01 April 2022 to 20 April 2022

Unit-I

William Wordsworth: Preface to Lyrical Ballads

21 April 2022 to 10 May 2022

Unit-II Matthew Arnold: Selections from Essays in Criticism

1. "The Function of Criticism at the Present Time"
2. "The Study of Poetry"
3. "John Keats"

11 May 2022 to 31 May 2022

Unit-III

- (i) Virginia Woolf: "Modern Fiction"
- (ii) T.S. Eliot: "Tradition and the Individual Talent"
- (iii) I.A. Richards: Chapters XXVII and XVIII of Principles of Literary Criticism
("Levels of Response and the Width of Appeal" and "The Allusiveness of Modern Poetry")

01 June 2022 to 30 June 2022


Unit-IV

- (i) Saussure: "The Object of Study"
- (ii) Elaine Showalter: "Feminist Criticism in Wilderness"
- (iii) M.H. Abrams: "The Deconstructive Angel"

July 01-18, 2022

Revision and test

		periodicity, lattice and basis,
10.	13 June 2022 - 18 June 2022	Crystal translational vectors and axes, Unit cell and Primitive Cell. Winger Seitz primitive Cell. Symmetry operations for a two dimensional crystal,
11.	20 June 2022 - 25 June 2022	Bravais lattices in two and three dimensions. Crystal planes and Miller indices, Interplaner spacing,
12.	27 June 2022 – 2 July 2022	Crystal structures of Zinc Sulphide, Sodium Chloride and Diamond. Discussions and Problems, Class Test
13.	04 July 2022 – 09 July 2022	Unit II: Crystal Structure II : X-ray diffraction, Bragg's Law and experimental X-ray diffraction methods, K-space and reciprocal lattice and its physical significance,
14.	11 July 2022 - 16 July 2022	Reciprocal lattice vectors, Reciprocal lattice and its physical significance, reciprocal lattice vectors, reciprocal lattice to a simple cubic lattice, b.c.c. and f.c.c.
15.	18 July 2022 – 19 July 2022	Class Test Revision: Doubts and Discussion.


(DR. SAMIKSHA KUMARI)

Govt. P. G. College Ambala Cantt
Lesson Plan 2021-2022

Class: B.Sc.-III, Semester – VI (Even Semester)

Paper – XI : Solid State and Nano Physics (PH-601)

Teacher: Dr. Samiksha Kumari

S.No.	Date	Topic
1.	11 April 2022 - 16 April 2022	Unit IV: Introduction to Nano Physics: Introduction to Nano Physics Definition, Length scale, History of Nantechonology, Importance of Nano-scale and technology, Size dependence properties.
2.	18 April 2022- 23 April 2022	Benefits and challenges in molecular manufacturing, Molecular assembler concept, Tools for synthesis for nanostructures.
3.	25 April 2022- 30 April 2022	Understanding advanced capabilities (SEM, TEM, FIM, STM and AFM) Vision and objective of Nano-technology
4.	2 May 2022 - 7 May 2022	Carbon Fullerenes and nanotubes, Nanotechnology in different field, Automobile, Electronics, Nano-biotechnology, Materials, Medicine. Class Test
5.	9 May 2022 -14 May 2022	Unit III: Super conductivity: Historical introduction, Survey of superconductivity, Super conducting systems,
6.	16 May 2022 - 21 May 2022	High Tc Super conductors, Isotopic Effect, Critical Magnetic Field, Meissner Effect, Numericals
7.	23 May 2022 - 28 May 2022	London Theory and Pippards' equation, Classification of Superconductors (type I and Type II), BCS Theory of Superconductivity, Flux quantization.
8.	30 May 2022 - 04 June 2022	Josephson Effect (AC and DC), Practical Applications of superconductivity and their limitations, power application of superconductors. Class Test & Assignment -1
9.	06 June 2022 – 11 June 2022	Unit I: Crystal Structure I: Crystalline and glassy forms, liquid crystals, crystal structure,

Government PG College, Ambala Cantt.

Lesson Plan: 2021-22 (EVEN)

Class: B.Com (G) 6th Semester

Subject: HUMAN RESOURCE MANAGEMENT

Teacher Name: Pardeep Kumar

Name of Month	Topics to be Taught
April 2022	<p>Human resource management: meaning, nature, history and scope, objectives, functions, importance; HRM vs. HRD and personal management.</p> <p>Human resource planning: meaning, importance, objectives, process, factors affecting manpower planning, problems and suggestions for making HR planning effective.</p>
May 2022	<p>Job Analysis: meaning, process of job analysis, methods of collecting job analysis data, potential problems with job analysis; job description and job specification.</p> <p>Recruitment: meaning, purpose, recruitment policy, factors affecting recruitment; source of recruitment, internal and external methods of recruitment. Selection: meaning, purpose, difference between recruitment and selection; process of selection; barriers to effective selection.</p>
June 2022	<p>Placement, induction and internal mobility: placement; induction/orientation: meaning, objectives, content and responsibility for induction; internal mobility: meaning & need; transfer: purpose, types; benefits and problems, transfer policy; promotion: purpose, basis, promotion policy; demotion: causes, demotion policy.</p>
July 2022	<p>Training: meaning, training and education, training and development, objectives, importance, steps in designing training programme; training methods: on-the-job and off-the-job methods.</p> <p>Performance appraisal: meaning, features, merits, limitations, process and methods of performance appraisal.</p>

Government PG College, Ambala Cantt.

Lesson Plan: 2021-22 (EVEN)

Class: B.Com (G) 2nd Semester

Subject: FUNDAMENTALS OF MARKETING

Teacher Name: Pardeep Kumar

Name of Month	Topics to be Taught
April 2022	Introduction: meaning, concepts & principles of marketing; marketing management; marketing mix. Analysis of marketing environment: internal environment, external environment: demographic, socio cultural, political, economic, natural, technological, and legal.
May 2022	Market Segmentation: concept & bases of market segmentation; understanding consumer behavior. Product: Meaning classification, product mix and product line decisions; product life cycle; new product development process; branding; packaging; labeling.
June 2022	Pricing: pricing objectives; factors influencing pricing; pricing strategies. Promotion: element of promotion mix.
July 2022	Distribution channel: meaning, types, role and factors affecting choice of distribution channel

Government PG College, Ambala Cantt.

Lesson Plan: 2021-22 (EVEN)

Class: B.Com (G) 4th Semester

Subject: ENTREPRENEURSHIP DEVELOPMENT

Teacher Name: Pardeep Kumar

Name of Month	Topics to be Taught
April 2022	Entrepreneur: meaning, scope, role and functions of entrepreneur in economic development; economic, social and psychological need for entrepreneurship; characteristics, qualities and pre-requisites of entrepreneur.
May 2022	Methods and procedures to start and expand one's own business; life cycle of a new business and relationship with large enterprises; factors affecting success of a new business; reasons for the failure and visible problems for business.
June 2022	Feasibility study: preparation of feasibility reports; economic, technical, financial and managerial feasibility of project; selection of factory location; demand analysis and market potential measurement; capital and project costing; working capital requirements; source of finance; profit and tax planning.
July 2022	Government support and incentives to new enterprise; role of govt., promotional agencies and institution in entrepreneurship development; entrepreneurship development programmes: Start-up India; Skill India.

LESSON PLAN

Name of Associate Professor: Dr. Shagun Ahuja

Class: B.Com Sem III

Subject: Company Law I

October 1 to October 15	Company: An Introduction, Types of Companies
October 16 to October 31	Private Company, Formation of Company
November 1 to November 14	Memorandum of Association, Article of Association
November 15 to November 30	Prospectus, Share Capital
December 1 to December 15	Share Certificate and Share Warrant
December 16 to December 31	Alteration in Share Capital
January 1 to January 15	Transfer and Transmission, Depository System
January 16 to January 31	Borrowing Powers and Debentures, Revision
February 1 to February 22	Revision

LESSON PLAN

Session 2020-21 Odd Semester

Name of Associate Professor: Dr. Shagun Ahuja

Class: M.com Sem I

Subject: Organizational Behaviour

November 15 to November 30	Introduction to Organizational Behaviour
December 1 to December 15	Organizational theory, Individual Behaviour
December 16 to December 31	Personality
January 1 to January 15	Perception, Learning
January 16 to January 31	Group Dynamics, Group Cohesiveness and Development
February 1 to February 22	Transactional Analysis and Revision

LESSON PLAN

Session 2020-21 Odd Semester

Name of Associate Professor: Dr. Shagun Ahuja

Class: M.com Sem II

Subject: Human Resource Development

October 1 to October 15	HRD: An Introduction, HRD Mechanisms, Process and Outcomes
October 16 to October 31	Training, Development, Knowledge Management
November 1 to November 14	Learning and Role Analysis
November 15 to November 30	Socialization, Organizational Climate
December 1 to December 15	Organizational Health
December 16 to December 31	Strategic HRD
January 1 to January 15	Emerging Issues and Challenges
January 16 to January 31	Organizational Effectiveness, Competency Mapping
February 1 to February 22	Revision

LESSON PLAN

(2021-22 Even Semester)

Name of Associate Professor: Dr. Shagun Ahuja

Class: B.Com Sem VI

Subject: Business Environment

Lesson Plan: From April 2022 to July 2022

April 9 to April 15	Business Environment: An Introduction, Environment Scanning
April 16 to April 30	Public, Private and Joint Sector, Economic Systems
May 1 to May 14	Economic Planning, Role of Government, Monetary Policy
May 15 to May 31	Fiscal Policy, Make in India, Foreign Investment
June 1 to June 15	Multinational Corporations, Globalization
June 16 to June 30	Competition Act 2002, Foreign Exchange Management Act, 1999
July 1 to July 19	Foreign Exchange Market, Revision

LESSON PLAN

(2021-22 Even Semester)

Name of Associate Professor: Dr. Shagun Ahuja

Class: M.Com Sem II

Subject: Human Resource Management

Lesson Plan: From April 2022 to July 2022

April 9 to April 15	Introduction to HRM, International HRM, Personnel Management
April 16 to April 30	Human Resource Planning, Job Analysis, Recruitment, Selection
May 1 to May 14	Placement, Promotion, Training, Development
May 15 to May 31	Career Planning, Performance Appraisal, Quality of Work Life
June 1 to June 15	Managing Quality, Compensation Management
June 16 to June 30	Compensation Management, Motivation, Job Satisfaction
July 1 to July 19	Stress Management, Human Resource Information System, Revision

LESSON PLAN

(2021-22 Even Semester)

Name of Associate Professor: Dr. Shagun Ahuja

Class: M.Com Sem IV

Subject: Organizational Change and Development

Lesson Plan: From April 2022 to July 2022

April 9 to April 15	Introduction to organizational Change, Management of change
April 16 to April 30	Strategic leverages to Implementing Change, Change Management, Resistance to change
May 1 to May 14	Organizational development
May 15 to May31	Interventions
June 1 to June 15	System Interventions
June 16 to June 30	Issues and Challenges to OD, Ethics in OD and OD Professionals
July 1 to July 19	Ethics in OD and OD Professionals, Revision

GOVT P. G. COLLEGE, AMBALA CANTT

DEPARTMENT OF ZOOLOGY

LESSON PLAN, Even Semester 2021-22

Name of the Assistant Professor: Ratesh Kumar

Class and Section: **B. Sc. MEDICAL, 2nd Semester, Subject ZOOLOGY**

April, 2022

Topics

Phylum – Annelida : i) General characters and classification up to order level ii) Biodiversity and economic importance of Annelida iii) Type study – Pheretima (Earthworm)
vi) Metamerism in Ann v) Trochophore larva 2. Phylum – Arthropoda : i) General characters and classification up to order level ii) Biodiversity and economic importance of insects vi) Type study – Grasshopper
3. Elements of Heredity and variations. 4. The varieties of gene interactions 5. Linkage and recombination : Coupling and repulsion hypothesis, crossing-over and chiasma formation; gene mapping. 6. Sex determination and its mechanism : male and female heterozygous systems, genetic balance system; role of Y-chromosome, male haploidy, cytoplasmic and environmental factors, role of hormones in sex determination.

May 2022

Topics

7. Sex linked inheritance : Haemophilia and colour blindness in man, eye colour in Drosophila, Non-disjunction of sex-chromosome in Drosophila; Sex-linked and sex-influenced inheritance 8. Extra chromosomal and cytoplasmic inheritance: i) Kappa particles in Paramecium ii) Shell coiling in snails. iii) Milk factor in mice.
1. Phylum - Mollusca: i) General characters and classification up to order level ii) Biodiversity and economic importance iii) Type study of - Pila iv) Torsion and detorsion in gastropoda v) Respiration and foot
2. Phylum – Echinodermata : i) General characters and classification up to order level ii) Biodiversity and economic importance vii) Type study – Asteries (Sea Star) viii) Echinoderm larvae ix) Aristotle's Lantern
transgenic animals
3. Phylum Hemichordate : General Character; Type Study of Ballangosus counseling, pre-natal diagnostics, DNA-finger printing,
3. Multiple allelism : Eye colour in Drosophila; A, B, O blood group in man. 4. Human genetics : Human karyotype, Chromosomal abnormalities involving autosomes and sex chromosomes, monozygotic and dizygotic twins.

JUNE, 2022

Topics

5. Inborn errors of metabolism (Alcaptonuria, Phenylketonuria, Albinism, sickle-cell anaemia).
6. Nature and function of genetic material : Structure and type of nucleic acids; Protein synthesis.
7. Eugenics, eugenics and euphenics; spontaneous and induced (chemical and radiations) mutations; gene mutations; chemical basis of mutations; transition, transversion,

Ratesh

[Signature]

July, 2022

Topics

structural chromosomal , Revision and Test
aberrations (deletion, duplication, inversion and translocation);
Numerical aberrations (autopolyploidy, euploidy and polyploidy in animals)
8. Applied genetics : genetic Revision

Ratch



GOVT P.G. COLLEGE , AMBALA CANTT

DEPARTMENT OF ZOOLOGY

LESSON PLAN, Even Semester 2021-22

Name of the Assistant Professor: Tarsem Kumar

Class and Section: **B. Sc. MEDICAL, 4th Semester**, Subject-Zoology

Week wise Lesson Plan for the month April, 2022

Topics
Amphibia: Origin, Evolutionary tree. Type study of frog (<i>Rana tigrina</i>), Parental Care in Amphibia. Reptilia: Type study of Lizard (<i>Hemidactylus</i>), Origin, Evolutionary tree. Extinct reptiles Poisonous and non-poisonous snakes; Poison apparatus in snakes.

May, 2022

Topics
Aves: Type study of Pigeon (<i>Columba livia</i>) Flight adaptation, Revision & Test Principles of aerodynamics in Bird flight, migration in birds Mammals: Classification, type study of Rat Adaptive radiations of mammals dentition.

June, 2022

Topics
Circulation: Origin, conduction and regulation of heart beat, cardiac cycle, electrocardiogram, cardiac output, fluid pressure and flow pressure in closed and open circulatory system; Composition and functions of blood & lymph; Mechanism of coagulation of blood, coagulation factors; anticoagulants, haemopoiesis. Respiration: Exchange of respiratory gases, transport of gases, lung air volumes, oxygen dissociation curve of hemoglobin Bohr's effect, Haburger's phenomenon (Chloride shift), control / regulation of respiration Excretion: Patterns of excretory products viz. Amonotelic, ureotelic uricotelic, ornithine cycle (Kreb's – Henseleit cycle) for urea formation in liver. Urine formation, counter-current mechanism of urine concentration, osmoregulation, micturition

July, 2022

Week	Topics
	Neural Integration: Nature, origin and propagation of nerve impulse alongwith meddullated & non-medullated nerve fibre, conduction of nerve impulse across synapse. Chemical integration of Endocrinology: Structure and mechanism of hormone action; physiology of



hypothalamus,

Chemical integration of Endocrinology: Structure and mechanism of hormone action; physiology of pituitary, thyroid, parathyroid, adrenal, pancreas and gonads. Revision & Test

Reproduction: Spermatogenesis, Capacitation of spermatozoa, ovulation, formation of corpus luteum, oestrous-anoestrous cycle, Menstrual cycle in human; fertilization, implantation and gestation.



GOVT P. G. COLLEGE , AMBALA CANTT

DEPARTMENT OF ZOOLOGY

LESSON PLAN, Even Semester 2021-22

Name of the Assistant Professor: Tarsem Kumar

Class and Section: **B. Sc. MEDICAL, 6th Semester, Subject-ZOOLOGY**

April, 2022

Topics

Introduction to world fisheries: Production, utilization and demand. 2. Fresh Water fishes of India: River system, reservoir, pond, tank fisheries; captive and culture fisheries, cold water fisheries.
3. Fishing crafts and gears. 4. Fin fishes, Crustaceans, Molluscs and their culture.
Study of important insect pests of crops and vegetables: 5. Sugercane: (a) Sugercane leaf-hopper (*Pyrrilla perpusilla*)
(b) Sugercane Whitefly (*Aleurolobus barodensis*) (c) Sugercane top borer (*Sciropophaga nivella*)
(d) Sugercane root borer (*Emmalocera depresella*) (e) Gurdaspur borer (*Bissetia steniellus*)

MAY 2022

Topics

Cotton: (a) Pink bollworm (*Pestiphora gossypifolia*) (b) Red cotton bug (*Dysdercus Cingulatus*)
(c) Cotton grey weevil (*Myllocerus undecimpustulatus*) (d) Cotton Jassid (*Amrasca devastans*)
Wheat: Wheat stem borer Revision and Test
(*Sesamia inferens*) with its systematics position,
habits, nature of damage caused. Life cycle and control.

June, 2022

Topics

Paddy: (a) Gundhi bug (*Leptocorisa acuta*)
b) Rice grasshopper (*Hieroglyphus banian*)
Rice stem borer (*Sciropophaga incertullus*), Rice Hispa (*Diceladispera armigera*) Vegetables: (a) *Raphidopalpa faveicollis* – The Red pumpkin beetle. (b) *Dacus cucurbitas* – The pumpkin fruit fly. (c) *Tetranychus tecarius* – The vegetable mite. (d) *Epilachna* – The Hadda beetle
Seed production: Natural seed resources – its assessment, collection, Hatchery production 2. Nutrition: Sources of food (Natural, Artificial) and feed composition (Calorie and Chemical ingredients).
Field Culture: Ponds-running water, recycled water, cage, culture; poly culture. 4. Culture technology: Biotechnology, gene manipulation and cryopreservation of gametes



July, 2022

Topics

Stored grains: (a) Pulse beetle (*Callosobruchus maculatus*) (b) Rice weevil (*Sitophilus oryzae*) (c) Wheat weevil (*Trogoderma granarium*) (d) Rust Red Flour beetles (*Tribolium castaneum*) (e) Lesser grain borer (*Rhizopertha dominica*) (f) Grain & Flour moth (*Sitotroga cerealella*) Their systematic position, habits and nature of damage caused. Life cycle and control of *Trogoderma granarium*.

Insect control: Biological control, its history, requirement and precautions and feasibility of biological agents for control.

Chemical control: History, Categories of pesticides.

Important pesticides from each category to pests against which they can be used. Insect repellants and attractants.

Integrated pest management. 9. Important bird and rodent pests of agriculture & their management. Revision and test



LESSON PLAN (Even Semester)

NAME OF ASSISTANT PROFESSOR: DR. USHA CHAHAL

CLASS: M.COM 3RD SEM.

SUBJECT: SERVICE MARKETING

Lesson Plan: From April 2022 to July 2022

April 2022

An introduction to Service Marketing: Service industry, service sector, trends in service sector, classification of services; Service Marketing mix; Customers expectation of service; Consumer behaviour and buying process for service

May 2022

Model of customer service; Customer perception of service;

Service quality: Meaning, concept and dimension;

Service quality model

June 2022

Models of buying decision making;
Decision process of buyer towards new services;
Relationship marketing: Test: Building Loyalty; Assignment;

Service market segmentation and targeting, Customer retention strategies

July 2022 Test and assignment; Service development and design; Communication and promotion of service; Pricing of services; Managing service employees; Revision

Usha Chahal
CDR, USHA CHAHAL)
Asstt. Prof of Commerce
Govt. P.G. College
Shubala Cantt.

Even Semester Lesson Plan

B. Com 3rd Sem. Sec. A & B

Subject: BC-203 FUNDAMENTALS OF MARKETING

Teacher Incharge: Dr. Usha Chahal

April 2022

Introduction: meaning, concepts & principles of marketing; marketing management; marketing mix. Analysis of marketing environment: internal environment, external environment: demographic, sociocultural, political, economic, natural, technological, and legal.

May 2022

Market Segmentation: concept & bases of market segmentation; understanding consumer behavior.

June 2022

Product: meaning, classification, product mix and product line decisions; product life cycle; new product development process; branding; packaging; labelling. Pricing: pricing objectives; factors influencing pricing; pricing strategies.

July 2022

Promotion: element of promotion mix. Distribution channel: meaning, types, role and factors affecting choice of distribution channel.

Usha Chahal
CDR. USHA CHAHAL)
Asstt. Prof. of Commerce
Govt. P.G. College
Dhule Cantt

Even Semester Lesson Plan (April to July 2022)

Subject: BC-604

Teacher Incharge: Dr. Usha Chahal

April 2022

Income tax Authorities and their power
Procedure for Assessment, Different types of returns

May 2022

Procedure of filing E-Return, Revised return, Recovery of Income tax,
Refund of Income tax, Steps to be followed. Practical problems/Questions

June 2022

Deductions u/s 80 to 80U
Computation of total income, tax liability of individual, H.U.F, Firm
Deduction of tax at source
Advance payment of tax

July 2022

Penalties and prosecutions
Appeals and Revision. Test and assignments

Usha Chahal
CDR. USHA CHAHAL)
Asstt. Prof. of Commerce
Govt. P.G. College
Ambala Cantt.

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Lesson Plan (Even Semester, Session 2021-22)

Name of Professor: Ashok

Class: BCA-II/4th Semester

Subject code and Name: BCA – 246 MANAGEMENT INFORMATION SYSTEM

Month	Topics covered
1/04/2022 To 27/04/2022	Introduction to system and Basic System Concepts, Types of Systems, The Systems Approach, Information System: Definition & Characteristics, Types of information, Role of Information in Decision-Making, Sub-Systems of an Information system: EDP and MIS management levels, EDP/MIS/DSS.
28/04/2022 To 25 /05/2022	An overview of Management Information System: Definition & Characteristics, Components of MIS, Frame Work for Understanding MIS: Information requirements & Levels of Management, Simon's Model of decision-Making, Structured Vs Un-structured decisions, Formal vs. Informal systems.
26/05/2022 To 22/06/2022	Developing Information Systems: Analysis & Design of Information Systems: Implementation & Evaluation, Pitfalls in MIS Development.
23/06/2022 To 19/07/2022	Functional MIS: A Study of Personnel, Financial and production MIS, Introduction to e-business systems, ecommerce – technologies, applications, Decision support systems – support systems for planning, control and decision-making, Revision

Ashok

Function: MIS: A Study of Personnel. Financial and production MIS. Introduction to

Lesson Plan (Even Semester, Session 2021-22)

Name of Professor: Ashok

Class: BCA-III/6th Semester

Subject code and Name: BCA-366/ Programming in Core Java

Month	Topics Covered
1/04/2022 To 27/04/2022	UNIT – I Basic Principles of Object-Oriented Programming, Introduction to Java, History, and Features of Java, Java Virtual Machine (JVM), Java's Magic Byte code; The Java Runtime Environment; Basic Language Elements: Lexical Tokens, Identifiers, Keywords, Literals, Comments, Primitive Data types, Operators, Assignments; Input/output in Java: Basics, I/O Classes, Reading Console Input, Control Structures in Java: Decision and Loop Control Statements
28/04/2022 To 25/05/2022	UNIT – II Class and Object in Java: Defining Class in Java, Creating Objects of a Class, Defining Methods, Argument Passing Mechanism, Using Class and Objects, Constructors, Nested Class, Inner Class, Abstract Class, Dealing with Static Members; Array & String in Java: Defining an Array, Initializing & Accessing Array, Multi-Dimensional Array, Defining String, Operation on Array and String, Creating Strings using String Class, Creating Strings using String Buffer Class; Polymorphism in Java: Basic Concept, Types, Overriding vs. Overloading, Implementation
26/05/2022 To 22/06/2022	UNIT – III Extending Classes and Inheritance in Java: Benefits of Inheritance, Types of Inheritance in Java, Access Attributes, Inheriting Data Members and Methods, Role of Constructors in Inheritance, Use of "super"; Packages & Interfaces: Basic Concepts of Package and Interface, Organizing Classes and Interfaces in Packages, Defining Package, Adding Classes from a Package to Your Program, CLASSPATH Setting for Packages, Import-Package, Naming Convention For Packages, Access Protection in Packages, Standard Packages
25/05/2022 To 23/06/2022	UNIT – IV Exception Handling in Java: The Idea behind Exception, Types of Exception, Use of try, catch, finally, throw, throws in Exception Handling, In-built and User Defined Exceptions, Checked and Un-Checked Exceptions, Catching more than one Exception; Applet in Java: Applet Basics, Applet Architecture, Applet Life-Cycle, Applet Tag, Parameters to Applet, Embedding Applets in a Web page, Creating Simple Applets; GUI Programming: Designing Graphical User Interfaces in Java, Components, and Containers, Using Containers, Layout Managers, AWT Components, AWT Classes, AWT Controls, Revision
23/06/2022	Exception Handling in Java: The Idea behind Exception, Types of Exception, Use of try, catch, finally, throw, throws in Exception Handling, In-built and User Defined Exceptions, Checked and Un-Checked Exceptions, Catching more than one Exception; Applet in Java: Applet Basics, Applet Architecture, Applet Life-Cycle, Applet Tag, Parameters to Applet, Embedding Applets in a Web page, Creating Simple Applets; GUI Programming: Designing Graphical User Interfaces in Java, Components, and Containers, Using Containers, Layout Managers, AWT Components, AWT Classes, AWT Controls, Revision

Ashok

LESSON PLAN

Name of Assistant Professor: Dr. Anjna Rani

Class: B.com Vth Sem Section 'A' & 'B'

Subject: Goods and Services Tax

Session: 2021-2022

Months	Weeks and Name of Topics
October	Week 1 Tax Structure in India
	Week 2 Overview of GST
	Week 3 Administration of GST
	Week 4 Taxable Event and Scope of Supply Under GST
	Week 5 Levy and Collection of Tax
November	Week 1 Small Taxable Persons: Exemptions and Composition Scheme
	Week 2 Time of Supply
	Week 3 The integrated Goods and Services Tax Act, 2017
	Week 4 Nature of Supplies: Inter-State & Intra-State
December	Week 1 Place of Supply
	Week 2 Value of Taxable Supply
	Week 3 Input Tax Credit
	Week 4 Registration
	Week 5 Tax Invoice, Credit and Debit Notes

January	Week 1 Returns, Assessment and Audit
	Week 2 Payment of Tax
	Week 3 Offences and Penalties
	Week 4 Revision
February	Week 1 Revision
	Week 2 Revision

LESSON PLAN

Name of Assistant Professor: **Dr. Anjna Rani**

Class: **BBA Vth Sem**

Subject: **Principles of Banking**

Session: **2021-2022**

Months	Weeks and Name of Topics
October	Week 1 Bank-Concept and Functions
	Week 2 Classification of Banks
	Week 3 Bank Management-Functions and Importance
	Week 4 Legal Framework of Regulation of Banks, Banking Regulation Act, 1949
	Week 5 Reserve Bank of India Act, 1934
November	Week 1 Functions of Reserve Bank of India
	Week 2 Central Bank- Role, Objectives and Functions
	Week 3 Banking Forms
	Week 4 Corporate Banking
December	Week 1 Rural Banking
	Week 2 Retail Banking
	Week 3 Banking Reforms in Banking
	Week 4 Banker-Customer Relations
	Week 5 Payment and Collection of Cheques

January	Week 1 Banking Technology
	Week 2 Priority Sector Lending
	Week 3 Evaluating Bank Performance
	Week 4 Revision
February	Week 1 Revision
	Week 2 Revision

LESSON PLAN

Name of Assistant Professor: Dr. Anjna Rani

Class: **B.Com IIIrd Sem C**

Subject: **Company Laws-I**

Session: **2021-2022**

Months	Weeks and Name of Topics
October	Week 1 Company :An Introduction
	Week 2 Types of Companies
	Week 3 Private company
	Week 4 Formation of a Company
	Week 5 Formation of a Company
November	Week 1 Memorandum of Association
	Week 2 Articles of Association
	Week 3 Prospectus
	Week 4 Share Capital
December	Week 1 Share Capital
	Week 2 Share certificate and share warrant
	Week 3 Alteration in Share Capital
	Week 4 Transfer and transmission of Shares
	Week 5 Transfer and transmission of Shares

January	Week 1 Depository System
	Week 2 Borrowing Powers and Debentures
	Week 3 Borrowing Powers and Debentures
	Week 4 Revision
February	Week 1 Revision
	Week 2 Revision

LESSON PLAN

(2021-22 Even Semester)

Name of ^{Assistant} Associate Professor: Dr. Anjna Rani

Class: B.Com IVth Semester 'A' & 'B' Section

Subject: Computerized Accounting System

Lesson Plan: From April 2022 to July 2022

April 9 to April 15	Introduction to Computerized Accounting System
April 16 to April 30	Introduction to Tally.ERP9, Accounting With Tally.ERP9
May 1 to May 14	Advanced Accounting Features
May 15 to May31	Inventory System in Tally.ERP9
June 1 to June 15	Payroll in Tally.ERP9
June 16 to June 30	Computerized Tax Liability Calculation
July 1 to July 19	Revision

LESSON PLAN

(2021-22 Even Semester)

Name of ^{Assistant} Associate Professor: Dr. Anjna Rani

Class: BBA VIth Semester

Subject: Logistics Management

Lesson Plan: From April 2022 to July 2022

April 9 to April 15	Introduction to Logistics Management
April 16 to April 30	Customer Services, Supply Chain Management
May 1 to May 14	Warehousing System
May 15 to May 31	Inventory Management
June 1 to June 15	Transportation System
June 16 to June 30	Logistics Packaging
July 1 to July 19	Information Technology and Logistics, Revision

LESSON PLAN

(2021-22 Even Semester)

Name of ^{Assistant} ~~Associate~~ Professor: Dr. Anjna Rani

Class: BBA IVth Semester

Subject: Financial Management

Lesson Plan: From April 2022 to July 2022

April 9 to April 15	Nature and Scope of Financial Management
April 16 to April 30	Financial Planning, Capitalisation
May 1 to May 14	Financial Forecasting, Sources of Finance-1
May 15 to May31	Sources of Finance-2, Cost of Capital
June 1 to June 15	Capital Structure, Capital Budgeting
June 16 to June 30	Management of Working Capital
July 1 to July	Dividend Decisions

Lesson Plan

Name of Professor: Ashok

Subject code and Name: **BCA-356: Multimedia Tools**

COURSE OBJECTIVES

- The objective of this subject is to teach the principles of how different types of media can be processed and presented by computers. It introduces how multimedia can be used in various areas.
- It provides a solid foundation to the students so that they can identify the proper applications of multimedia, evaluate the appropriate multimedia systems and develop effective multimedia applications.

Course Outcomes:

Upon successful completion the student will be able to:

- Define multimedia to potential clients.
- Understand the basic components of a multimedia project.
- Explore the different application areas of multimedia.
- Use multimedia tools to enhance the quality of multimedia content.
- Identify the basic hardware and software requirements for multimedia development and playback.

Month	Topics covered
09/10/2021 To 11/11/2021	UNIT – I Multimedia: Basic Concept, Definition, Components & Applications of Multimedia; Hypermedia and Multimedia; Multimedia Hardware and Software; Multimedia Software Tools; Presentation Tools; Multimedia Authoring: Introduction, Features, Types of Authoring Tools: Card or Page-Based, Icon-Based, Time-Based, Object-Oriented; VRML: History, Features
12/11/2021 To 14/12/2021	UNIT – II Images: Graphics/Image Data Types, File Formats; Color Models in Images and Video; Video: Introduction, Types of Video Signals; Analog and Digital Video; Analog Video Standards: NTSC, PAL, SECA; Digital Video Standards: Chroma Subsampling, CCIR Standards, HDTV
15/12/2021 To 18/01/2022	UNIT – III Digital Audio: Basic Concepts, Analog vs. Digital Audio, Digitization of Sound; Digital Audio File Formats, MIDI Quantization and Transmission of

Ashok

	Audio: Coding of Audio; Pulse Code Modulation; Differential Coding of Audio; Lossless Predictive Coding; DPCM; DM; ADPCM
18/01/2022 To 22/02/2022	UNIT – IV Compression Techniques: Introduction, Types of Data Compression, Run-Length Coding, Variable- Length Coding, Dictionary-Based Coding, Transform Coding Image and Video Compression Techniques: JPEG Standard for Image Compression; JPEG Mode, Video Compression Techniques: H.261, H.263, MPEG, Revision of all Units.

PAV

Lesson Plan

Name of Professor: Ashok

Subject code and Name: BCA – 111 Computer and Programming Fundamentals

Course Objective:

The objectives of this course are

- This course introduces the concepts of computer basics & programming constructs.
- The course will stress on fundamental computer software and hardware with some programming language constructs, so that the students will have a basic concept for understanding and will be able to develop algorithms for implementation using different programming language.

Course Outcome:

On completion of the course students will be able to

- Understand the concept of input and output devices of computers and how it works and recognize the basic terminology used in computer programming.
- Understand the different kinds of memory.
- Learn about the different kind of operating systems
- Explore different kinds of sorting and searching techniques.
- Write, compile and debug programs in any language through algorithm development.
- Design programs using decision structures, loops and functions.

Month	Topics covered
09/10/2021 To 11 /11/2021	UNIT – I Computer Fundamentals: Definition, Block Diagram along with its components, Characteristics & classification of computers, Applications of computers in various fields. Memory: Concept of primary & secondary memory, RAM, ROM, types of ROM, flash Memory, Secondary storage devices: Sequential & direct access devices viz. magnetic tape, magnetic disk, CD, DVD.
12/11/2021	UNIT – II

pmw

<p>To 14/12/2021</p>	<p>Computer hardware & software: I/O devices, relationship between hardware and software, types of software, Operating system: Definition, functions of operating system, concept of multiprogramming, multitasking, multithreading, multiprocessing, time-sharing, real time, single-user & multi-user operating system.</p>
<p>15/12/2021 To 18/01/2022</p>	<p>UNIT – III Planning the Computer Program: Concept of problem solving, Problem definition, Program design, Debugging, Types of errors in programming, Documentation, Techniques of Problem Solving: Flowcharting, algorithms, pseudo code, decision table, Structured programming concepts, Programming methodologies viz. top-down and bottom-up programming. Computer Virus, WORMS, Trojan,</p>
<p>18/01/2022 To 22/02/2022</p>	<p>UNIT – IV Searching, Sorting, and Merging: Linear & Binary Searching, Bubble, Selection, and Insertion Sorting, Merging, Design of algorithms for searching, sorting and merging. Computer Languages: Analogy with natural language, machine language, assembly language, high-level language, language translators, characteristics of a good programming language. Revision of all Units.</p>



Lesson Plan

Name of the Teacher :

Indresh Aggarwal

Class :

BCA Sem-V

Subject :

Artificial Intelligence

Paper Code :

BCA-353

Month	Unit and Topics Covered
Oct, 2021	Unit - I : Artificial Intelligence : Intelligence, AI Concepts, Various definitions of AI, Knowledge.
Nov, 2021	Unit- I : Knowledge Pyramid, People and Computers: What computers can do better than people, what people can do better than computers; Characteristics of AI Problems, Problem Representation in AI, Components of AI, AI Evolution, Application Areas of AI, History of AI, The Turing Test, The Revised Turing Test Assignment-I
Dec, 2021	Unit -II : Expert System: Components of Expert System: Knowledge Base, Inference Engine, User Interface, Features of Expert System, Expert System Life Cycle, Categories of Expert System, Rule Based vs. Model Based Expert Systems, Advantages/Limitations of Expert System, Developing an Expert System: Identification, Conceptualization, Formalization, Implementation, Testing, Using an Expert System, Application Areas of Expert System Assignment-II
Jan, 2022	Unit- III: AI and Search Process: Brute Force Search – Depth First/Breadth First Search, Heuristic Search: Hill Climbing, Constraint Satisfaction, Mean End Analysis, Best First Search, A* Algorithm, AO* Algorithm, Beam Search. Class-Test
Feb, 2022	Unit- IV: Natural Language Processing: Introduction, Need, Goal, Fundamental Problems in Natural Language Understanding, How People overcome Natural Language Problems, Speech Recognition: Introduction, Advantages and Approaches, Introduction to Robotics: Parts of a Robot, Controlling a Robot, Intelligent Robots, Mobile Robots

Lesson Plan

Name of the Teacher :

Indresh Aggarwal

Class :

BCA Sem-III

Subject :

Object Oriented Programming Using C++

Paper Code :

BCA-301

Month	Unit and Topics Covered
Oct, 2021	Unit-I : Object oriented Programming: Object-Oriented programming features and benefits.
Nov, 2021	Unit-I : Object-Oriented features of C++, Class and Objects, Structures, Scope resolution operator and its significance, Static Data Members, Static member functions, Nested and Local Class. Constructor, Initialization using constructor, types of constructor– Default, Parameterized & Copy Constructors, Constructor overloading, Default Values to Parameters, Destructors. Assignment-I
Dec, 2021	Unit-II : Manipulators, Friend Function, Friend Class, Arrays, Array of Objects, Passing and Returning Objects to Functions, String Handling in C++, Dynamic Memory Management: Pointers, new and delete Operator, Array of Pointers to Objects, this Pointer, Passing Parameters to Functions by Reference & pointers. Polymorphism: Operators in C++, Precedence and Associativity Rules, Operator Overloading, Unary & Binary Operators Overloading, Function Overloading, Inline Functions. Assignment-II
Jan, 2022	Unit-III : Dynamic Polymorphism: Function Overriding, Virtual Function and its Need, Pure Virtual Function, Abstract Class. Type Conversion: Basic Type Conversion, Conversion between objects and basic types, Conversion between objects of different classes, Inheritance: Rules of Derivations – Private, Protected and Public Derivations. Class-Test
Feb, 2022	Unit-IV : Different Forms of Inheritance – Single, Multiple, Multilevel, Hierarchical and Multipath Inheritance Roles of Constructors and Destructors in Inheritance. Genericity in C++: Templates in C++, Function templates, Class templates in C++. Exception Handling in C++: try, throw and catch; Introduction to files handling in C++

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Lesson Plan

Name of the Teacher :

Indresh Aggarwal

Class :

BSc (C.S.) Sem-IV

Subject :

Object Oriented Programming Using C++

Paper Code :

Paper-I

Month	Unit and Topics Covered
Jan, 2021	Unit-I : Object oriented Programming: Object-Oriented programming features and benefits. Object-Oriented features of C++, Class and Objects, Data Hiding & Encapsulation, Structures, Data members and Member functions, Scope resolution operator and its significance, Static Data Members, Static member functions, Nested and Local Class, Accessing Members of Class and Structure. Assignment-I
Feb, 2021	Unit-II : Constructor, Initialization using constructor, types of constructor– Default, Parameterized & Copy Constructors, Constructor overloading, Default Values to Parameters, Destructors, Console I/O: Hierarchy of Console Stream Classes, Unformatted and Formatted I/O Operations Assignment-II
Mar, 2021	Unit-III : Manipulators, Friend Function, Friend Class, Arrays, Array of Objects, Passing and Returning Objects to Functions, String Handling in C++, Dynamic Memory Management: Pointers, new and delete Operator, Array of Pointers to Objects, this Pointer, Passing Parameters to Functions by Reference & pointers. Class-Test
April, 2021	Unit-IV : UNIT – IV Static Polymorphism: Operators in C++, Precedence and Associativity Rules, Operator Overloading, Unary & Binary Operators Overloading, Function Overloading, Inline Functions, Merits/Demerits of Static Polymorphism.



Lesson Plan

Name of the Teacher :

Indresh Aggarwal

Class :

BCA Sem-II

Subject :

LOGICAL ORGANIZATION OF COMPUTER – II

Paper Code :

BCA-122

Month	Unit and Topics Covered
Jan, 2021	Unit-I : Sequential Logic: Characteristics, Flip-Flops, Clocked RS, D type, JK, T type and Master-Slave flipflops. State table, state diagram and state equations. Flip-flop excitation Assignment-I
Feb, 2021	Unit-II : Sequential Circuits: Designing registers – Serial Input Serial Output (SISO), Serial Input Parallel Output (SIPO), Parallel Input Serial Output (PISO), Parallel Input Parallel Output (PIPO) and shift registers. Designing counters – Asynchronous and Synchronous Binary Counters, Modulo-N Counters and Up-Down Counters Assignment-II
Mar, 2021	Unit-III : Memory & I/O Devices: Memory Parameters, Semiconductor RAM, ROM, Magnetic and Optical Storage devices, Flash memory, I/O Devices and their controllers. Class-Test
April, 2021	Unit-IV : UNIT - IV Instruction Design & I/O Organization: Machine instruction, Instruction set selection, Instruction cycle, Instruction Format and Addressing Modes. I/O Interface, Interrupt structure, Programcontrolled, Interrupt-controlled & DMA transfer, I/O Channels, IOP.

LESSON PLAN

Name of Assistant Professor: Sangharsh Saini

Class/Section: B.Com. Gen. Sec A, B&C, B.Sc (CS)-I

Subject Lesson Plan: (from Oct 2021 to Feb 2022)

Month	B.Com. Gen. Sec A (1-3)	B.Com. Gen. Sec B (1-3)	B.Com. Gen. Sec C (4-6)	B.Sc (CS)-I (1-6)
Oct 2021	Introduction to Computers: definition	Introduction to Computers: definition	Introduction to Computers: definition	Practical
Oct 2021	Components of computers	Components of computers	Components of computers	Practical
Oct 2021	Characteristics of computers	Characteristics of computers	Characteristics of computers	Practical
Oct 2021	Input devices	Input devices	Input devices	Practical
Oct 2021	Output devices	Output devices	Output devices	Practical
Nov 2021	Memory	Memory	Memory	Practical
Nov 2021	Mass storage devices	Mass storage devices	Mass storage devices	Practical
Nov 2021	Introduction to modern CPU	Introduction to modern CPU	Introduction to modern CPU	Practical
Nov 2021	Processors	Processors	Processors	Practical
Nov 2021	Computer software: introduction	Computer software: introduction	Computer software: introduction	Practical
Nov 2021	Types of software	Types of software	Types of software	Practical
Nov 2021	System	System	System	Practical

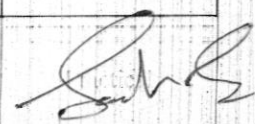
Sangharsh Saini

Nov 2021	Application Software	Application Software	Application Software	Practical
Nov 2021	Utility software	Utility software	Utility software	Practical
Nov 2021	Programming languages	Programming languages	Programming languages	Practical
Nov 2021	Introduction to operating system	Introduction to operating system	Introduction to operating system	Practical
Nov 2021	Types and	Types and	Types and	Practical
Nov 2021	Function of operating system	Function of operating system	Function of operating system	Practical
Nov 2021	Realtime operating system	Realtime operating system	Realtime operating system	Practical
Nov 2021	Applications	Applications	Applications	Practical
Nov 2021	Operating systems for Tabs	Operating systems for Tabs	Operating systems for Tabs	Practical
Nov 2021	Mobile phones	Mobile phones	Mobile phones	Practical
Nov 2021	Android	Android	Android	Practical
Nov 2021	Open source software: An overview	Open source software: An overview	Open source software: An overview	Practical
Nov 2021	Application software	Application software	Application software	Practical
Nov 2021	Spreadsheets	Spreadsheets	Spreadsheets	Practical
Nov 2021	Word processors	Word processors	Word processors	Practical
Dec 2021	Database management software	Database management software	Database management software	Practical
Dec 2021	Networks basic	Networks basic	Networks basic	Practical

Dec 2021	Types of networks	Types of networks	Types of networks	Practical
Dec 2021	Topologies	Topologies	Topologies	Practical
Dec 2021	Media	Media	Media	Practical
Dec 2021	Hardware	Hardware	Hardware	Practical
Dec 2021	Software required for networking.	Software required for networking.	Software required for networking.	Practical
Dec 2021	Introduction to Computers: definition	Introduction to Computers: definition	Introduction to Computers: definition	Practical
Dec 2021	Components of computers	Components of computers	Components of computers	Practical
Dec 2021	Characteristics of computers	Characteristics of computers	Characteristics of computers	Practical
Dec 2021	Input devices	Input devices	Input devices	Practical
Dec 2021	Output devices	Output devices	Output devices	Practical
Dec 2021	Memory	Memory	Memory	Practical
Dec 2021	Mass storage devices	Mass storage devices	Mass storage devices	Practical
Dec 2021	Introduction to modern CPU	Introduction to modern CPU	Introduction to modern CPU	Practical
Dec 2021	Processors	Processors	Processors	Practical
Dec 2021	Computer software: introduction	Computer software: introduction	Computer software: introduction	Practical
Dec 2021	Types of software	Types of software	Types of software	Practical
Dec 2021	System	System	System	Practical
Dec 2021	Application Software	Application Software	Application Software	Practical

Dec 2021	Utility software	Utility software	Utility software	Practical
Dec 2021	Programming languages	Programming languages	Programming languages	Practical
Dec 2021	Introduction to operating system	Introduction to operating system	Introduction to operating system	Practical
Dec 2021	Types and	Types and	Types and	Practical
Dec 2021	Function of operating system	Function of operating system	Function of operating system	Practical
Dec 2021	Realtime operating system	Realtime operating system	Realtime operating system	Practical
Jan 2022	Applications	Applications	Applications	Practical
Jan 2022	Operating systems for Tabs	Operating systems for Tabs	Operating systems for Tabs	Practical
Jan 2022	Mobile phones	Mobile phones	Mobile phones	Practical
Jan 2022	Android	Android	Android	Practical
Jan 2022	Open source software: An overview	Open source software: An overview	Open source software: An overview	Practical
Jan 2022	Application software	Application software	Application software	Practical
Jan 2022	Spreadsheets	Spreadsheets	Spreadsheets	Practical
Jan 2022	Word processors	Word processors	Word processors	Practical
Jan 2022	Database management software	Database management software	Database management software	Practical
Jan 2022	Networks basic	Networks basic	Networks basic	Practical
Jan 2022	Types of networks	Types of networks	Types of networks	Practical

Jan 2022	Topologies	Topologies	Topologies	Practical
Jan 2022	Media	Media	Media	Practical
Jan 2022	Hardware	Hardware	Hardware	Practical
Jan 2022	Software required for networking.	Software required for networking.	Software required for networking.	Practical
Jan 2022	Introduction to Computers: definition	Introduction to Computers: definition	Introduction to Computers: definition	Practical
Jan 2022	Components of computers	Components of computers	Components of computers	Practical
Jan 2022	Characteristics of computers	Characteristics of computers	Characteristics of computers	Practical
Jan 2022	Input devices	Input devices	Input devices	Practical
Jan 2022	Output devices	Output devices	Output devices	Practical
Jan 2022	Memory	Memory	Memory	Practical
Jan 2022	Mass storage devices	Mass storage devices	Mass storage devices	Practical
Jan 2022	Introduction to modern CPU	Introduction to modern CPU	Introduction to modern CPU	Practical
Jan 2022	Processors	Processors	Processors	Practical
Feb 2022	Computer software: introduction	Computer software: introduction	Computer software: introduction	Practical
Feb 2022	Types of software	Types of software	Types of software	Practical
Feb 2022	System	System	System	Practical
Feb 2022	Application Software	Application Software	Application Software	Practical
Feb 2022	Utility software	Utility software	Utility software	Practical



Feb 2022	Programming languages	Programming languages	Programming languages	Practical
Feb 2022	Introduction to operating system	Introduction to operating system	Introduction to operating system	Practical
Feb 2022	Types and	Types and	Types and	Practical
Feb 2022	Function of operating system	Function of operating system	Function of operating system	Practical
Feb 2022	Realtime operating system	Realtime operating system	Realtime operating system	Practical
Feb 2022	Applications	Applications	Applications	Practical
Feb 2022	Operating systems for Tabs	Operating systems for Tabs	Operating systems for Tabs	Practical
Feb 2022	Mobile phones	Mobile phones	Mobile phones	Practical
Feb 2022	Android	Android	Android	Practical
Feb 2022	Open source software: An overview	Open source software: An overview	Open source software: An overview	Practical
Feb 2022	Application software	Application software	Application software	Practical
Feb 2022	Spreadsheets	Spreadsheets	Spreadsheets	Practical
Feb 2022	Word processors	Word processors	Word processors	Practical
Feb 2022	Database management software	Database management software	Database management software	Practical
Feb 2022	Networks basic	Networks basic	Networks basic	Practical
Feb 2022	Types of networks	Types of networks	Types of networks	Practical
Feb 2022	Topologies	Topologies	Topologies	Practical
Feb 2022	Media	Media	Media	Practical
Feb 2022	Hardware	Hardware	Hardware	Practical
Feb 2022	Software required for networking.	Software required for networking.	Software required for networking.	Practical
Feb 2022	Word processors	Word processors	Word processors	Practical
Feb 2022	Database management software	Database management software	Database management software	Practical
Feb 2022	Networks basic	Networks basic	Networks basic	Practical
Feb 2022	Types of networks	Types of networks	Types of networks	Practical

Class-BCA Semester-3
Subject-Computer Architecture
Teacher-Mr. Shakti Kumar

S.No.	Month & Week	Topics
1	25-10-2021 To 30-10-2021	Register Transfer and Microoperations: Register Transfer Language (RTL), register transfer, Bus and Memory Transfers, Arithmetic Microoperations, Logic Microoperations, Shift Microoperations, Arithmetic Logic Shift Unit, Microprogrammed Control: Control memory; address sequencing, microprogram sequencer, Design of Control Unit
2	31-10-21 to 07-11-21	Holidays
3	November 2021	Basic Computer Organisation and Design: Instruction Codes, Computer registers, Computer Instructions, Timing and Control, Instruction Cycle, Memory reference instructions, Input-Output and Interrupt, Design of Basic computer, Design of accumulator logic, Assignment 1
4	December 2021	Central Processing Unit: General registers Organization, Stack Organization, Instruction formats, Addressing Modes, Data Transfer and Manipulation, Program Control, Program Interrupt, RISC, CISC. Assignment 2
5	January 2022	Memory Organization: Memory hierarchy, Auxiliary Memory, Associative Memory, Interleaved memory, Cache memory, Virtual Memory, Test 1 Memory Management Hardware, Input Output Organization : Peripheral devices , Input-Output Interface, Asynchronous data transfer, Modes of Transfer, Priority Interrupt, Direct Memory Access(DMA),Input-Output Processor(IOP). Test 2.
6	Feb 2022	Revision and Tests



Class-BCA Semester-1 Subject-Programming in C Teacher-Mr. Shakti Kumar		
S.No.	Month & Week	Topics
1	25-10-2021 To 30-10-2021	Overview of C: History of C, Importance of C, Structure of a C Program. Elements of C: C character set, identifiers and keywords, Data types, Constants and Variables, Assignment statement, Symbolic constant. Input/output: Unformatted & formatted I/O function in C, Input functions viz. scanf(), getch(), getche(), getchar(), gets(), output functions viz. printf(), putchar(), puts(). Assignment 1
2	31-10-21 to 07-11-21	Holidays
3	November 2021	Operators & Expression: Arithmetic, relational, logical, bitwise, unary, assignment, conditional operators and special operators. Arithmetic expressions, evaluation of arithmetic expression, type casting and conversion, operator hierarchy & associativity. Decision making & branching: Decision making with IF statement, IF-ELSE statement, Nested IF statement, ELSE-IF ladder, switch statement, goto statement Assignment 2
4	December 2021	Operators & Expression: Arithmetic, relational, logical, bitwise, unary, assignment, conditional operators and special operators. Arithmetic expressions, evaluation of arithmetic expression, type casting and conversion, operator hierarchy & associativity. Decision making & branching: Decision making with IF statement, IF-ELSE statement, Nested IF statement, ELSE-IF ladder, switch statement, goto statement Test 1
5	January 2022	Storage classes in C: auto, extern, register and static storage class, their scope, storage, & lifetime. Arrays: Definition, types, initialization, processing an array, passing arrays to functions, Strings & arrays. Test 2
6	Feb 2022	Revision and Tests



Class-BCom CAV Sem-1 Subject-BC(Voc)-106 Business Data Processing & PC Software-I Teacher-Mr. Shakti Kumar		
S.No.	Month & Week	Topics
1	25-10-2021 To 30-10-2021	Data processing, various business functions, use of computers in data processing and in carrying out business functions Assignment 1
2	31-10-21 to 07-11-21	Holidays
3	November 2021	concepts of data and information, characteristics of information, economics of business data processing, Assignment 2
4	December 2021	impact of data processing on business organizations, information and product flow in production environment, concepts of records and files Test 1
5	January 2022	Various types of file organizations, data capturing, data preparation, data verification and validation, and data editing.. Test 2 & Practical Ms-office.
6	Feb 2022	Revision and Tests



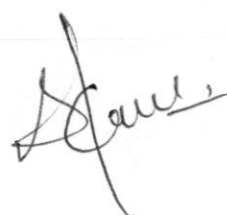
GOVT PG COLLEGE, AMBALA CANTT
Lesson Plan for Session 2021-2022(Odd Sem)

Name of ~~Extension~~ Lecturer: Ms Sarbjit Kaur

Subject code and Subject name: BC (Voc)-305 Data Structure

Class Name: BCOM(CAV) Semester 3

Month	Topics Covered
09/10/2021 To 31/10/2021	Data structure: linear and least structures: array definition, type, address calculation,
01/11/2021 To 30/11/2021	stack: push/pop algorithms, applications. Queue: INS/DEL algorithm, double and circular queue concept only.
01/12/2021 To 31/12/2021	List: single linked list algorithm and double linked list
01/01/2022 To 31/01/2022	and circular linked list concepts; B-Tree concept. And Revision
01/02/2022 To 22/02/2022	Files: serial, sequential, indexed, direct, multi-list. And Revision



GOVT PG COLLEGE, AMBALA CANTT

Lesson Plan for Session 2021-2022(Odd Sem)

Name of ~~Extension~~ Lecturer: Ms Sarbjit Kaur

Subject code and Subject name: PAPER I: Data Structures

Class Name: BSc Semester 3

Month	Topics Covered
09/10/2021 To 31/10/2021	UNIT – I Introduction: Elementary data organization, Data Structure definition, Data type vs. data structure, Categories of data structures, Data structure operations, Applications of data structures. Algorithms complexity and time-space tradeoff, Big-O notation.
01/11/2021 To 30/11/2021	UNIT – I Strings: Introduction, strings, String operations, Pattern matching algorithms UNIT – II Arrays: Introduction, Linear arrays, Representation of linear array in memory, Traversal, Insertions, Deletion in an array, Multidimensional arrays, Parallel arrays, Sparse matrix. Linked List: Introduction, Array vs. linked list, Representation of linked lists in memory
01/12/2021 To 31/12/2021	UNIT – II Traversal, Insertion, Deletion, Searching in a linked list, Header linked list, Circular linked list, Two-way linked list, Garbage collection, Applications of linked lists. Algorithm of insertion/ deletion in SLL. UNIT – III Stack: primitive operation on stack, algorithms for push and pop. Representation of Stack as Linked List and array, Stacks applications : polish notation, recursion.
01/01/2022 To 31/01/2022	UNIT – III queues, Primitive Operations on the Queues, Circular queue, Priority queue, Representation of Queues as Linked List and array, Applications of queue. Algorithm on insertion and deletion in simple queue and circular queue. UNIT – IV Trees - Basic Terminology, representation, Binary Trees, Tree Representations using Array & Linked List, Basic operation on Binary tree, Traversal of binary trees:- In order, Preorder & post order, Applications of Binary tree. Algorithm of tree traversal with and without recursion
01/02/2022 To 22/02/2022	UNIT – IV Introduction to graphs, Definition, Terminology, Directed, Undirected & Weighted graph, Representation of graphs.

Sarbjit Kaur

GOVT PG COLLEGE, AMBALA CANTT

Lesson Plan for Session 2021-2022(Odd Sem)

Name of ~~Extension~~ Lecturer: Ms Sarbjit Kaur

Subject code and Subject name: PAPER II: SOFWTARE ENGINEERING

Class Name: BSC Semester 3

Month	Topics Covered
09/10/2021 To 31 /10/2021	UNIT – I Introduction: Program vs. Software, Software Engineering, Programming paradigms, Software Crisis – problem and causes, Phases in Software development: Requirement Analysis, Software Design, Coding, Testing, Maintenance, Software Development Process Models: Waterfall, Prototype, Evolutionary and Spiral models, Role of Metrics.
01/11/2021 To 30/11/2021	UNIT – II Feasibility Study, Software Requirement Analysis and Specifications: SRS, Need for SRS, Characteristics of an SRS, Components of an SRS, Problem Analysis, Information gathering tools, Organising and structuring information, Requirement specification, validation and metrics.
01/12/2021 To 31/12/2021	UNIT – III Structured Analysis and Tools: Data Flow Diagram, Data Dictionary, Decision table, Decision trees, Structured English, Entity-Relationship diagrams .Software Project Planning: Cost estimation: COCOMO model, Project scheduling, Staffing and personnel planning
01/01/2022 To 31/01/2022	UNIT – III team structure, Software configuration management, Quality assurance plans, Project mo, nitoring plans, Risk Management. UNIT – IV Software testing strategies: unit testing, integration testing, V and V , System testing, Alpha and Beta testing
01/02/2022 To 22/02/2022	UNIT – IV Black box, white box testing. Cyclomatic Complexity. Software Implementation and Maintenance: Type of maintenance, Management of Maintenance, Maintenance Process, maintenance characteristics.



Lesson Plan Session 2021-22
~~Even~~ ^{Odd} Semester

Class: B. Com (CAV) 5th Sem
Subject: System Analysis & Design

October: Introduction, Definition of System, Elements of System

November: Types of System, types of Information, System Development Life cycle, Role of System Analyst. Assignment - I, Doubts

December: Test, Qualities of System Analyst, Logical & Physical Design, The process of form design. Presentation by students.

January: - Input / Output form, System testing, auditing, System maintenance, Assignment - 2.

February: - Test, Threats to security, control measures. Revision of old Question paper.

(Signature)
Dr. Shreuti Sharma

Class: BBA 1st Sem.

Odd Semester

Subject: Computer fundamental

October: → What is a computer? Parts of Computer, Components of a computer
Classification of Computer.

November :- Classification (continued), Types of computer, History of computers & generations. Assignment - I.
Computer Hardware & Software.

December :- Input/Output Devices, DOS features & basic commands, Operating System, function of OS, Introduction to Internet, Language Processor, Different types of Network
Presentation by students

January: Assignment 2. Introduction to MS-office, MS-Word in detail with practical implementation, MS-Excel (commands & functions)

February :- Test, MS-Powerpoint with practical implementation. Revision of syllabus.

Date: 8.11.21

Benti
Dr. Shanti Shams
Con. D. Dept.

Class → BCA - 5th semester
Subject → Programming Using Visual Basic

October - 2021 → Introduction of VB, VB Environment,
Default controls in Tool Box, Revision
Test.

November - 2021 → Basics of Programming → variables
Types of variable, Constants
Input output in VB, Revision,
Test, Assignment 1.

December - 2021 → Decision Statement, Looping statement
Nested control structures, Revision
Test.

January - 2022 → Procedures Arguments, Function
Returning Custom Data Types.
Simple program Development in VB.
Revision, Test.

February 2022 → Program Development in
Visual Basic, Assignment-2
Revision Test.

Ruchi
(DR - Ruchi Gupta)
Computer Science

Class → BBA - 3rd semester

Subject → Fundamental of Database Management System

October 2021 → Traditional file oriented approach, Disadvantages and Advantages of DBMS, Components of DBMS.

November 2021 → DBMS architecture, Data Independence, Test, Data Models, Revision of syllabus from ~~october~~ October to November, Test, Assignment 1.

December 2021 → Keys, Computer in business, Revision, Test Advantages and disadvantages of Inventory Control and payroll cards banking and Accounting, Revision Test.

January 2022 → SQL, Components of SQL, DDL Commands, Revision, Test DML Commands Operators, Revision, Test.

February 2022 → SQL Functions advantages of Report writing, Assignment-2 Test.

GOVT. COLLEGE, AMBALA CANTT

Session (2021-22)

Odd Semester

Name: Dr. Malika Bhiyana

Subject: Windows and PC Software

Class : BCA –I Semester

Paper : BCA – 112

October : Introduction to Windows and its Features, Hardware Requirements of Windows.
Windows Concepts

November : Windows Structure, Desktop, Taskbar, Start Menu, My Pictures, My Music, My Documents, Recycle Bin. Managing Files, Folders and Disk . My Computer, Windows Explorer and its Facilities, Using CD, DVD, Pen Drive, Burning CD. Windows Accessories. Entertainment- Media Players, Sound Recorder, Volume control

December :ADVANCED FEATURES OF WINDOWS: Managing Hardware & Software - Installation of Hardware & Software, Using Scanner, Web Camera, Printers. System Tools - Backup, Character Map, Clipboard Viewer, Disk Defragmenter, Drive Space, Scandisk, System Information, System Monitor, Disk Cleanup, Using Windows Update. Browsing the Web with Internet Explorer, Multiple User Features of Windows, Creating and Deleting User, Changing User Password, etc. Accessibility Features of Windows - Sharing Folders and Drives, Browsing the Entire Network, Using Shared Printers. Control Panel & its components .

January : WORKING WITH SPREAD SHEET: Introduction and area of use, Working with Excel, Toolbars, Menus and Keyboard Shortcuts, concepts of Workbook & Worksheets, Using Wizards, Various Data Types, Using different features with Data, Cell and Texts, Inserting, Removing & Resizing of Columns & Rows, Working with Data & Ranges, Different Views of Worksheets, Column Freezing, Labels, Hiding, Splitting etc., Using different features with Data and Text, Cell Formatting including Borders & Shading.

February : ADVANCED FEATURES OF EXCEL: Multiple Worksheets: Concept, Creating and Using Multiple Worksheets; Use of Formulas, Calculations & Functions, Various types of Functions, Cell Referencing, Absolute and Relative Addressing, Working with Different Chart Types, Chart Wizard, Printing of Workbook & Worksheets with various options, Database: Creation, Sorting, Query and Filtering a Database; Creating and Using Macros; Pivot table & Pivot chart

Malika

GOVT. COLLEGE, AMBALA CANTT

Session (2021-22)

Odd Semester

Name: Dr. Malika Bhiyana

Subject: PC Software

Class : BSC –I Semester

Paper : II

October : Windows: Basics of Windows. Windows History, Basic components of windows, icons, types of icons

November : taskbar, activating windows, using desktop, title bar, running applications, Windows explorer, managing files and folders, Configuring System devices. Control panel , using windows accessories
Documentation Using Word - Introduction to Office Automation, Creating & Editing Document

December : , Formatting Document, Auto-text, Autocorrect, Spelling and Grammar Tool, Document Dictionary, Page Formatting, Bookmark, Advance Features of MS-Word-Mail Merge, Macros, Tables, File Management, Printing, Styles, linking and embedding object.

January : Electronic Spread Sheet using Excel - Introduction to MS-Excel, Creating & Editing Worksheet, Formatting and Essential Operations, Formulas and Functions, Charts, Advance features of MS-Excel-Pivot table & Pivot Chart, Linking and Consolidation, Database Management using Excel-Sorting, Filtering, Table, Validation, Goal Seek, Scenario.

February : Presentation using PowerPoint: Presentations, Creating, Manipulating & Enhancing Slides, Organizational Charts, Excel Charts, Word Art, Layering art Objects, Animations and Sounds, Inserting Animated Pictures or Accessing through Object, Inserting Recorded Sound Effect or In-Built Sound Effect.

Malika

Lesson Plan

Name of Professor: DIMPLE RANI

Subject code and Name: MC 301 COMPUTER APPLICATIONS IN BUSINESS

Month	Topics covered
09/10/2021 To 11/11/2021	Computer System: Meaning, scope, types; Basic computer organization: Central Processing Unit, input, output, and storage devices; Introduction to software; System software - operating system, user interface and its types.
12/11/2021 To 14/12/2021	Application software - word processing, spreadsheets; Introduction to databases, tables, queries, reports and form generation. Fuzzy Logic, etc.
15/12/2021 To 18/01/2022	Information Technology in Business: Concept of information technology; Local Area Network- media & topologies and Wide Area Networks; Electronic data processing; Intranet and extranet, concept and evolution.
18/01/2022 To 22/02/2022	World Wide Web; Multimedia technologies; Video conferencing; Broadband networks; Planning and designing web pages .

Dimple

Lesson Plan

Name of Professor: DIMPLE RANI

Subject code and Name: BCA-114 LOGICAL ORGANIZATION OF COMPUTER-I

Month	Topics covered
09/10/2021 To 11 /11/2021	Information Representation: Number Systems, Binary Arithmetic, Fixed-point and Floating-point representation of numbers, BCD Codes, Error detecting and correcting codes, Character Representation – ASCII, EBCDIC, Unicode
12/11/2021 To 14/12/2021	Binary Logic: Boolean Algebra, Boolean Theorems, Boolean Functions and Truth Tables, Canonical and Standard forms of Boolean functions, Simplification of Boolean Functions – Venn Diagram, Karnaugh Maps.
15/12/2021 To 18/01/2022	Digital Logic: Basic Gates – AND, OR, NOT, Universal Gates – NAND, NOR, Other Gates – XOR, XNOR etc. NAND, NOR, AND-OR-INVERT and OR-AND-INVERT implementations of digital circuits, Combinational Logic – Characteristics, Design Procedures, analysis procedures, Multilevel NAND and NOR circuits.
18/01/2022 To 22/02/2022	Combinational Circuits: Half-Adder, Full-Adder, Half-Subtractor, Full-Subtractor, Encoders, Decoders, Multiplexers, Demultiplexers, Comparators, Code Converters, BCD to Seven-Segment Decoder.

Dimple

Lesson Plan for Session 2021-2022(Odd Sem)

Name of Extension Lecturer: Ms Shalin Bhola

Subject code and Subject name: BCA-354 Computer Networks

Class Name: BCA Semester 5

Month	Topics Covered
09/10/2021 To 31 /10/2021	UNIT – I Introduction to Data Communication and Computer Networks; Uses of Computer Networks; Types of Computer Networks and their Topologies; Network Hardware Components: Connectors, Transceivers, Repeaters, Hubs, Network Interface Cards and PC Cards, Bridges, Switches, Routers, Gateways; Network Software: Network Design issues and Protocols; Connection-Oriented and Connectionless Services
01/11/2021 To 30/11/2021	UNIT – I OSI Reference Model; Networking Models: Distributed Systems, Client/Server Model, Peer-to-Peer Model, Web-Based Model and Emerging File-Sharing Model UNIT – II Analog and Digital data and signals; Bandwidth and Data Rate, Capacity, Baud Rate
01/12/2021 To 31/12/2021	UNIT – II Transmission Impairment; Data Rate Limits; Guided Transmission Media; Wireless Transmission ; Communication Satellites; Switching and Multiplexing; Modems and Modulation techniques; ADSL and Cable Modems; UNIT – III Data Link Layer Design issues; Error Detection and Correction
01/01/2022 To 31/01/2022	UNIT – III Sliding Window Protocols: One-bit, Go Back N and Selective Repeat; Media Access Control: ALOHA, Slotted ALOHA, CSMA, Collision free protocols; Introduction to LAN technologies: Ethernet, Switched Ethernet, Fast Ethernet, Gigabit Ethernet; Token Ring; Introduction to Wireless LANs and Bluetooth; VLANs
01/02/2022 To 22/02/2022	UNIT – IV Routing Algorithms: Flooding, Shortest Path Routing, Distance Vector Routing; Link State Routing, Hierarchical Routing; Congestion Control; Traffic shaping; Choke packets; Load shedding; Elements of Transport Protocols; Network Security Issues: Security attacks; Encryption methods; Digital Signature; Digital Certificate



GOVT PG COLLEGE, AMBALA CANTT

Lesson Plan for Session 2021-2022(Odd Sem)

Name of Extension Lecturer: Ms Shalin Bhola

Subject code and Subject name: BCA-232Data Structures-I

Class Name: BCA Semester 3

Month	Topics Covered
09/10/2021 To 31 /10/2021	UNIT – I Introduction: Elementary data organization, Data Structure definition, Data type vs. data structure, Categories of data structures, Data structure operations, Applications of data structures, Algorithms complexity and time-space tradeoff, Big-O notation
01/11/2021 To 30/11/2021	UNIT – I Strings: Introduction, Storing strings, String operations, Pattern matching algorithms UNIT – II Arrays: Introduction, Linear arrays, Representation of linear array in memory, Traversal, Insertions, Deletion in an array, Multidimensional arrays, Parallel arrays, Sparse matrices
01/12/2021 To 31/12/2021	UNIT – II Linked List: Introduction, Array vs. linked list, Representation of linked lists in memory, Traversal, Insertion, Deletion, Searching in a linked list, Header linked list, Circular linked list, Two-way linked list, Garbage collection, Applications of linked lists
01/01/2022 To 31/01/2022	UNIT – III Stack: Introduction, Array and linked representation of stacks, Operations on stacks, Applications of stacks: Polish notation, Recursion. Queues: Introduction, Array and linked representation of queues, Operations on queues, Deques, Priority Queues, Applications of queues.
01/02/2022 To 22/02/2022	UNIT – IV Tree: Introduction, Definition, Representing Binary tree in memory, Traversing binary trees, Traversal algorithms using stacks. Graph: Introduction, Graph theory terminology, Sequential and linked representation of graphs

Shalin

Lesson Plan

Name of Asst Professor: Ms. Poonam Dhiman

Subject code and Subject name: BCA 3rd Sem, BCA- 235 Fundamentals of Database System

Month	Topics Covered
11/10/2021 1 To 31 /10/2021	UNIT – I Basic Concepts-Data, Information, Records and files. Traditional file-based System-File based Approach-Limitations of File Based Approach-Characteristics of Database Approach, Database Management system(DBMS),Components of DBMS Environment, DBMS Function and components, Advantages and Disadvantages of DBMS.
01/11/2022 1 To 30/11/2022 1	UNIT – I Roles in a Database Environment-Data and Database Administrator, Database Designers, Application Developers and Users. UNIT – II Database System Architecture - Three Levels Of Architecture, External, Conceptual and Internal Levels, Schemas, Mapping and Instances. Data Independence -Logical and Physical Data Independence, Classification Of Database Management, Centralized and Client Server Architecture to DBMS.
01/12/2022 1 To 31/12/2022 1	UNIT – III Data Models: - Record-based data models, object based data models, Physical data model and conceptual modeling.
01/01/2022 2 To 31/01/2022 2	UNIT – III Entity relationship model, entity types, entity set, attributes relationship types, relationship instance and ER diagram. UNIT – IV Relational data model, Brief History, terminology in relational data structure, relations, and properties of relation.
01/02/2022 2 To 22/02/2022 2	UNIT – IV Keys, domains, integrity constraints over relations, base tables and views , basic concept of hieratical and network data model.



Lesson Plan

Name of Asst Professor: Ms. Poonam Dhiman

Subject code and Subject name: BSC-5TH SEM, Paper-1 Fundamentals of Database System

Month	Topics Covered
11/10/2021 1 To 31 /10/2021	UNIT – I Basic Concepts-Data, Information, Records and files. Traditional file-based System-File based Approach-Limitations of File Based Approach-Characteristics of Database Approach, Database Management system (DBMS),Components of DBMS Environment, DBMS Function and components, Advantages and Disadvantages of DBMS.
01/11/2022 1 To 30/11/2022 1	UNIT – II Roles in a Database Environment-Data and Database Administrator, Database Designers, Application Developers and Users. Database System Architecture - three Levels Of Architecture, External, Conceptual and Internal Levels. Database languages: VDL, DDL, SDL, DML,SQL.
01/12/2022 1 To 31/12/2022 1	UNIT – II Mapping External/Conceptual and Conceptual/Internal, Schemas, Mapping and Instances, data independence -logical and physical data independence, classification of database management. UNIT – III Data Models: - High level, low level and representational- Record-based data models, object based data models, Physical data model and conceptual modeling.
01/01/2022 2 To 31/01/2022 2	UNIT – III Entity relationship model, entity types, entity set, attributes relationship types, relationship instance and ER diagram, Cardinality etc.ER diagram of any database organization ,Inventory System, Payroll system, Reservation System, online book store etc. UNIT – IV Classification of database management system, Centralized and Client Server Architecture.
01/02/2022 2 To 22/02/2022 2	UNIT – IV Relational data model, Brief History, terminology in relational data structure, relations, and properties of relation. Keys, domains, integrity constraints over relations, base tables and views, basic concept of hieratical and network data model.

Dhiman

Lesson Plan

Name of Asst Professor: Ms. Poonam Dhiman

Subject code and Subject name: BSC-5TH SEM, Paper-II, Web Designing

Month	Topics Covered
11/10/2021 1 To 31 /10/2021	UNIT – I Introduction to internet and www, Evolution and history of www, Basic features web browsers, web servers ,hypertext transfer protocol, URLs, Searching and web casting techniques, Search Engines and search tools.
01/11/2021 1 To 30/11/2021 1	UNIT – II Steps for developing websites, choosing the content, homepage, domain names, internet service provider ,planning and designing websites, creating a websites, web publishing, hosting Sites.
01/12/2021 1 To 31/12/2021 1	UNIT – III Introduction to HTML, Hypertext and HTML,HTML document Features ,HTML Tags, Header, title, body, paragraph, ordered and unordered lines, creating links.
01/01/2022 2 To 31/01/2022 2	UNIT – III Headers, Text Styles, text structuring, text colors and background, formatting text, page layouts, insertion of text, movement of text. UNIT – IV Images, Types of images, insertion of images, movement of image, ordered and unordered list
01/02/2022 2 To 22/02/2022 2	UNIT – IV Inserting graphics, table handling functions like columns ,rows, width, colors, frame creations and layout, working with forms and menus ,working with buttons like radio, checkbox.

Poonam Dhiman

Class-BSc Computer Science, Semester-1
 Subject- PAPER I: Computer and Programming Fundamentals
 Teacher-Dr. Ashish Jolly

S.No.	Month & Week	Topics
1	25-10-2021 To 30-10-2021	Computer Fundamentals: Definition, Functional components of computer, characteristics & classification of computers, Applications of computers in various fields. Memory: Concept of primary & secondary memory, RAM, ROM, types of ROM, Cache memory, CPU Registers, flash memory, Secondary storage devices: Sequential & direct access devices viz. magnetic tape, magnetic disk, CD, DVD. Assignment 1
2	31-10-21 to 07-11-21	Holidays
3	November 2021	Computer hardware & software: I/O devices, definition of software, relationship between hardware and software, types of software, motherboard, ports. Overview of operating system: Definition, functions of operating system, concept of multiprogramming, multitasking, multithreading, multiprocessing, time-sharing, real time, single-user & multi-user operating system, examples of various operating systems. Assignment 2
4	December 2021	Planning the Computer Program: Concept of problem solving, Problem definition, Program design, Debugging, Types of errors in programming, Documentation. Techniques of Problem Solving: Flowcharting, algorithms, pseudo code, decision table, Structured programming concepts, Programming methodologies viz. top-down and bottomup programming Test 1
5	January 2022	Searching, Sorting, and Merging: Linear & Binary Searching, Bubble, Selection, and Insertion Sorting, Merging. Computer Languages: Analogy with natural language, machine language, assembly language, high-level language, language translators, characteristics of a good programming language. Test 2
6	Feb 2022	Revision and Tests

Class-BCA Semester-3
Subject-Software Engineering
Teacher-Dr. Ashish Jolly

S.No.	Month & Week	Topics
1	25-10-2021 To 30-10-2021	Introduction: Program vs. Software, Software Engineering, Programming paradigms, Software Crisis – problem and causes, Phases in Software development: Requirement Analysis, Software Design, Coding, Testing, Maintenance, Software Development Process Models: Waterfall, Prototype, Evolutionary and Spiral models, Role of Metrics.
2	31-10-21 to 07-11-21	Holidays
3	November 2021	Feasibility Study, Software Requirement Analysis and Specifications: SRS, Need for SRS, Characteristics of an SRS, Components of an SRS, Problem Analysis, Information gathering tools, Organizing and structuring information, Requirement specification, validation and Verification. . SCM, Assignment 1
4	December 2021	Structured Analysis and Tools: Data Flow Diagram, Data Dictionary, Decision table, Decision tress, Structured English, Entity-Relationship diagrams, Cohesion and Coupling. Gantt chart, PERT Chart, Software Maintenance: Type of maintenance, Management of Maintenance, Maintenance Process, maintenance characteristics. Assignment 2
5	January 2022	Software Project Planning: Cost estimation: COCOMO model, Project scheduling, Staffing and personnel planning, team structure, Test 1, Software configuration management, Quality assurance plans, Project monitoring plans, Risk Management. Software testing strategies: unit testing, integration testing, Validation testing, System testing, Alpha and Beta testing Test 2.
6	Feb 2022	Revision and Tests

ASJ

Lesson Plan

2021-2022(Odd SEM)

Name of Extension Lecturer: Pallavi Rani

Subject code and Subject name: BCA – 352 OPERATING SYSTEMS

Class Name: BCA 5th SEM

Month	Topics Covered
11/10/2021 To 31 /10/2021	UNIT – I Operating System: Definition, Characteristics, Components, Functions, Examples; Types of Operating System: Single User/Multi User, Classification of Operating System: Batch, Multiprogrammed, Timesharing, Multiprocessing, Parallel, Distributed, Real Time; System Calls and System Programs: Process Control, File Manipulation, Device Manipulation, Information Maintenance, Communications, Assignment-Ist
01/11/2021 To 30/11/2021	UNIT – II Process Management: Process concept, Process states and Process Control Block; Process Scheduling: Scheduling Queues, Schedulers, Context Switch; Operation on Processes: Process Creation, Process Termination; Cooperating Processes, Introduction to Threads, Inter-process Communication; CPU Scheduling: Basic Concepts, Scheduling Criteria, Scheduling Algorithms: FCFS, SJF, Priority, Round-Robin, Multilevel Queue, Multilevel Feedback Queue Scheduling
01/12/2021 To 31/12/2021	UNIT – III Deadlocks: System Model, Deadlock Characterization, Methods of Handling Deadlocks, Deadlock Prevention, Deadlock Avoidance, Deadlock Detection and Recovery Memory Management: Introduction, Swapping, Contiguous Allocation: Single-Partition/Multiple Partition Allocation, External/Internal Fragmentation; Paging: Basic Method, Hardware, Implementation of Page table, Test
01/01/2022 To 31/01/2022	UNIT – III Segmentation: Basic Method, Hardware, Implementation of Segment Table, Advantages/Disadvantages of Paging/Segmentation, Assignment-IIInd UNIT – IV Virtual Memory: Introduction, Demand Paging, Page Replacement, Page Replacement Algorithms: FIFO, Optimal, LRU, Counting; Thrashing and its cause;
01/02/2022 To 22/02/2022	UNIT – IV File Management: File Concepts, File Attributes, File Operations, File Types, File Access/Allocation Methods, File Protection, File Recovery, Revision

Pallavi Rani

Lesson Plan

2021-2022(Odd SEM)

Name of Extension Lecturer: Pallavi Rani

Subject code and Subject name: BCA-351: Web Designing Fundamentals

Class Name: BCA 5th SEM

Month	Topics Covered
11/10/2021 To 31 /10/2021	UNIT – I Introduction to Internet and World Wide Web; Evolution and History of World Wide Web; Basic Features; Web Browsers; Web Servers; Hypertext Transfer Protocol; URLs; Searching and Web- Casting Techniques; Search Engines and Search Tools,Assignment-Ist
01/11/2021 To 30/11/2021	UNIT – II Steps for Developing Website; Choosing the Contents; Home Page; Domain Names; Internet Service Provider; Planning and Designing Web Site; Creating a Website; Web Publishing; Hosting Site; Test
01/12/2021 To 31/12/2021	UNIT – III Introduction to HTML; Hypertext and HTML; HTML Document Features; HTML Tags; Header, Title, Body, Paragraph, Ordered/Unordered Line, Creating Links; Headers; Text Styles,Revision
01/01/2022 To 31/01/2022	UNIT – III Text Structuring; Text Colors and Background; Formatting Text; Page layouts; Insertion of Text, Movement of Text,Assignment-IIInd UNIT – IV Images: Types of Images, Insertion of Image, Movement of Image, Ordered and Unordered lists, Revision
01/02/2022 To 22/02/2022	UNIT – IV Inserting Graphics; Table Handling Functions like Columns, Rows, Width, Colours; Frame Creation and Layouts; Working with Forms and Menus; Working with Buttons like Radio, Check Box;

Pallavi Rani

LESSON PLAN

(2021-22 Even Semester)

Name of Assistant Professor: Navita Rani

Class: BBA VI Sem

Subject: Business Law

Lesson Plan: From April 2022 to July 2022

April 9 to April 15	Introduction of Company, Types of Companies.
April 16 to April 30	Promotion and Incorporation of Joint Stock Company
May 1 to May 14	Memorandum of Association, Articles of Association
May 15 to May 31	Prospects , Share and Share Capital of a Company, Allotment of Shares
June 1 to June 15	Membership of Company, Borrowing Power and Debentures
June 16 to June 30	Power, Function and Duties of Directors and Managing Directors, company Meetings
July 1 to July 19	Winding of Company, Securities and Exchange Board of India ,Act,1992.
Revision	

LESSON PLAN

(2021-22 Even Semester)

(Handwritten signature)

Name of Assistant Professor: Navita Rani

Class: B.Com Sem II (B&C)

Subject: Company Law II

Lesson Plan: From April 2022 to July 2022

April 9 to April 15 Membership in Companies, Company Management and Administration	
April 16 to April 30	Company Secretary, Company Meetings and Resolution
May 1 to May 14	Meetings Procedure or Requisite of a Valid Meeting
May 15 to May31	Dividend, Accounts and Audit
June 1 to June 15	Prevention of Oppression and Mismanagement
June 16 to June 30	Reconstruction and Amalgamation
July 1 to July 19	Winding of the Company, Revision

Navita Rani

LESSON PLAN

(2021-22 Even Semester)

Name of Assistant Professor: Navita Rani

Class: B.Com Sem II (B&C)

Subject: Financial Account II

Lesson Plan: From April 2022 to July 2022

April 9 to April 15	Partnership Accounts: Distribution of Profits
April 16 to April 30	Partnership Accounts: Admission Of Partner
May 1 to May 14	Partnership Accounts: Admission of Partner
May 15 to May31	Partnership Accounts: Retirement and Death Of Partner
June 1 to June 15	Partnership Accounts: Retirement and Death Of Partner
June 16 to June 30	Hire Purchase & Installment System
July 1 to July 19	Branch Account , Revision



LESSON PLAN

Name of Assistant Professor: Navita Rani

Class: B.Com Ist Sem. (B&C)

Subject: Financial Accounting-1

Session: 2021-2022

Months	weeks	Name of topic
October	Week 1	Meaning and Scope of Accounting
	week 2	Basic Accounting Terms and Bases of Accounting
	week 3	Accounting Principles
	week 4	Accounting Equations
	week 5	Double Entry System
November	week 1	Diwali Vacations
	week 2	Recording of Accounting Transactions
	week 3	Capital and Revenue
	week 4	Trial Balance
December	week 1	Errors and Their Rectification
	week 2	-----Do-----
	week 3	Consignment Accounts
	week 4	-----Do-----
	week 5	-----Do-----
January	week 1	Final Accounts-With Adjustments
	week 2	-----Do-----
	week 3	Depreciation, Provisions and Reserves



	Week 4	-----Do-----
February	Week 1	Non-profit organization
	Week 2	Revision
	Week 3	Revision

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LESSON PLAN

Name of Assistant Professor: Navita Rani

Class: BBA I (sem)

Subject: Business Accounting

Session: 2021-2022

Months	weeks	Name of topic
October	Week 1	Meaning and Objectives of Accounting
	week 2	Generally Accepted Accounting Principles
	week 3	Accounting Standards
	week 4	.....Do.....
	week 5	Process and Bases of Accounting
November	week 1	Diwali Vacations
	week 2	Accounting Equations
	week 3	Goods And Service Tax
	week 4	Capital and Revenue
December	week 1	Double Entry System
	week 2	Books of Original Entry: Joinal
	week 3	-----Do-----
	week 4	Books of Original Entry: Cash Book
	week 5	-----Do-----
January	week 1	Ledger
	week 2	Rectification of Errors
	week 3	Trial Balance
	Week 4Do.....



February	Week 1	Financial Statements with Adjustment
	Week 2	Revision

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LESSON PLAN

Name of Assistant Professor: Navita Rani

Class: BBA 5th (sem)

Subject: Principles of Retailing

Session: 2021-2022

Months	weeks	Name of topic
October	Week 1	Introduction of Retailing
	week 2	Functions and Types of Retailing
	week 3	Organized and Unorganized Retailing
	week 4	.....Do.....
	week 5	Online Retailing
November	week 1	Diwali Vacations
	week 2	Customer Buying Behavior in Retailing
	week 3	-----Do-----
	week 4	Factors Effecting Customer Buying Behavior
December	week 1	Customer Buying Process
	week 2	Store Location
	week 3	-----Do-----
	week 4	Store Layout and Design
	week 5	-----Do-----
January	week 1	The Retail Organisation Structure and HR Function
	week 2	.....Do.....
	week 3	Retail Merchandising
	Week 4	.....Do.....

Navita Rani

February	Week 1	Technology in Retailing
	Week 2	Revision

ADJ

Name of Teacher: Dr. Des Raj Bajwa, Associate Professor Commerce

LESSON PLAN: B COM 6th Sem. (2022) CAV

Week -1&2	Management Accounting: nature, significance and scope, rules and techniques of management accounting; difference between cost accounting and management accounting, cost control, cost reduction, cost management.
Week -3,4&5	Budgeting and budgetary control: concept of budget and budgetary control objectives, merits, and limitations, budget administration, functional budgets, fixed and flexible budgets, zero base budget, programme and performance budgets.
Week -6,7&8	Standard costing and variance analysis: concept & significance; advantages, limitations and applications, variance analysis – material, labour.
Week -9,10&11	Absorption versus variable costing: distinctive features and income determination; cost-volume-profit analysis: break-even analysis-algebraic and graphic methods; contribution; P/V ratio, break-evenpoint; margin of safety: angle of incidence; determination of cost indifference point.
Week –12,13&14	Responsibility accounting: concept, significance, types of responsibility centers, divisional performance measurement – financial measures. Revision, Assignments, Tests etc.

Dr. Des Raj Bajwa

Name of Teacher: Dr. Des Raj Bajwa, Associate Professor Commerce

LESSON PLAN: B COM 6th Sem. (2022)

Week -1&2	Management Accounting: nature, significance and scope, rules and techniques of management accounting; difference between cost accounting and management accounting, cost control, cost reduction, cost management.
Week -3,4&5	Budgeting and budgetary control: concept of budget and budgetary control objectives, merits, and limitations, budget administration, functional budgets, fixed and flexible budgets, zero base budget, programme and performance budgets.
Week -6,7&8	Standard costing and variance analysis: concept & significance; advantages, limitations and applications, variance analysis – material, labour.
Week -9,10&11	Absorption versus variable costing: distinctive features and income determination; cost-volume-profit analysis: break-even analysis-algebraic and graphic methods; contribution; P/V ratio, break-evenpoint; margin of safety: angle of incidence; determination of cost indifference point.
Week –12,13&114	Responsibility accounting: concept, significance, types of responsibility centers, divisional performance measurement – financial measures. Revision, Assignments, Tests etc.

Dr. Des Raj Bajwa

LESSON PLAN

(2021-22 Even Semester)

Name of Assistant Professor: Mona Saini

Class: BBA 6th sem

Subject: Introduction to Financial Services

Lesson Plan: From April 2022 to July 2022

April 9 to April 15	Introduction, Merchant banking
April 16 to April 30	SEBI guidelines, Stock brocking
May 1 to May 14	Factoring and Forfaiting, Leasing and hire purchasing
May 15 to May 31	Credit Ratings and Credit cards
June 1 to June 15	Mutual funds and ETFs, Managing new Issues
June 16 to June 30	Consumer finance
July 1 to July 19	Revision

Mona Saini

LESSON PLAN**(2021-22 Even Semester)****Name of Assistant Professor: Mona Saini**Class: B.com 4th sem (C)

Subject: Computerized Accounting System

Lesson Plan: From April 2022 to July 2022

April 9 to April 15	Introduction, Tally ERP 9, Company creation and Security Control
April 16 to April 30	Accounting Features, Vouchers and Final Accounts
May 1 to May 14	Inventory control, Payroll System, Payroll Processing
May 15 to May31	Computerized Tax Liability(GST)
June 1 to June 15	Tax deducted at Source
June 16 to June 30	Tax Collected at Source
July 1 to July 19	Revision



LESSON PLAN

(2021-22 Even Semester)

Name of Assistant Professor: Mona Saini

Class: B.com 4th Sem (B&C)

Subject: Corporate Accounting-II

Lesson Plan: From April 2022 to July 2022

April 9 to April 15	Valuation of Shares
April 16 to April 30	Valuation of Goodwill
May 1 to May 14	Liquidation of Companies
May 15 to May 31	Accounts of Holding Companies
June 1 to June 15	Accounts of Holding Companies
June 16 to June 30	Accounts of Banking Companies
July 1 to July 19	Accounts of Insurance Companies, Revision

Mona Saini

Odd
Semester

LESSON PLAN

Name of Assistant Professor: Mona saini

Class: BBA 5th (sem)

Subject: Production management

Session: 2021-2022

Months	weeks	Name of topic
October	Week 1	Product nature and type
	week 2	-----Do-----
	week 3	Production system
	week 4	Concept of production planning
	week 5	Production process
November	week 1	Diwali Vacations
	week 2	Inspection and quality control
	week 3	-----Do-----
	week 4	-----Do-----
December	week 1	Total quality management
	week 2	-----Do-----
	week 3	-----Do-----
	week 4	Inventory management and control
	week 5	-----Do-----
January	week 1	Storing and warehousing
	week 2	Purchasing
	week 3	Decision in production Management
	Week 4	Production planning
February	Week 1	Revision

Mona Saini

LESSON PLAN

Name of Assistant Professor: Mona Saini

Class: B.com 3rd sem. (B & CAV)

Subject: Corporate Accounting

Session: 2021-2022

Months	weeks	Name of topic
October	Week 1	Company: nature, type and concept
	week 2	Issue of shares
	week 3	-----Do-----
	week 4	-----Do-----
	week 5	Redemption of preference shares
November	week 1	Diwali Vacations
	week 2	Issue of debentures
	week 3	Redemption of debentures
	week 4	-----Do-----
December	week 1	-----Do-----
	week 2	Final accounts of companies
	week 3	-----Do-----
	week 4	-----Do-----
	week 5	Amalgamation of companies
January	week 1	-----Do-----
	week 2	-----Do-----
	week 3	-----Do-----
	Week 4	Internal reconstruction of company
February	Week 1	Revision
	Week 2	Revision



LESSON PLAN

Name of Assistant Professor: Mona saini

Class: BBA 3rd (sem)

Subject: Understanding Human Behaviour

Session: 2021-2022

Months	weeks	Name of topic
October	Week 1	Human Behaviour: nature and concept
	week 2	-----Do-----
	week 3	-----Do-----
	week 4	-----Do-----
	week 5	Emotion
November	week 1	Diwali Vacations
	week 2	Motivation
	week 3	-----Do-----
	week 4	-----Do-----
December	week 1	Perception
	week 2	-----Do-----
	week 3	-----Do-----
	week 4	Personality
	week 5	-----Do-----
January	week 1	-----Do-----
	week 2	Learning
	week 3	-----Do-----
	Week 4	Memory and forgetting
February	Week 1	Revision
	Week 2	Revision

Mona Saini

Revision	Week 2	
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LESSON PLAN

(2021-22 Even Semester)

Name of Assistant Professor: Ms. Shweta Garg

Class: B.com VI sem sec A, B

Subject: Fundamentals of Insurance

Lesson Plan: From April 2022 to July 2022

April 9 to April 15	Introduction to insurance: life and general insurance purpose Principles of insurance
April 16 to April 30	Insurance as a social security tool Insurance and economic development
May 1 to May 14	Contract of life insurance: principles and practices Rights and duties of parties of insurance contract
May 15 to May 31	Conditions and terms of policy Nominations and assignment practices
June 1 to June 15	Revivals, loans and surrenders of policy Bonus and annuity payments Insurance intermediaries
June 16 to June 30	Claim settlement procedure in life insurance Fire insurance: principles, policy conditions and claim settlement

Shweta

procedures

July 1 to July 19

Marine insurance: policy conditions and claim settlement

Motor vehicle insurance

Revision

Shukta

LESSON PLAN

(2021-22 Even Semester)

Name of Assistant Professor: Ms. Shweta Garg

Class: BBA II sem

Subject: Analysis of Financial Statements

Lesson Plan: From April 2022 to July 2022

April 9 to April 15	Analysis and interpretation of financial statements
April 16 to April 30	Ratio Analysis
May 1 to May 14	Ratio Analysis
May 15 to May 31	Preparation and analysis of Cash flow statement
June 1 to June 15	Preparation and analysis of cash flow statement
June 16 to June 30	Preparation and analysis of Fund flow statement
July 1 to July 19	Societal obligations of accounting Revision

Shweta

LESSON PLAN

(2021-22 Even Semester)

Name of Assistant Professor: Ms. Shweta Garg

Class: BBA II sem

Subject: Business Communication-I

Lesson Plan: From April 2022 to July 2022

April 9 to April 15	Business communication: Basic forms and models, Barriers to effective communication
April 16 to April 30	Essentials of effective Business communication, Basic parts of speech
May 1 to May 14	Voice, Paragraph writing
May 15 to May31	Precis Writing, Translation
June 1 to June 15	Correct usage of word
June 16 to June 30	Writing Applications for business, Importance of Non-verbal Communication
July 1 to July 19	Physical appearance and the art of self- presentation and conduct, Revision

Shweta

LESSON PLAN

(2021-22 Even Semester)

Name of Assistant Professor: Ms. Shweta Garg

Class: BBA II sem

Subject: Business Statistics-II

Lesson Plan: From April 2022 to July 2022

April 9 to April 15	Correlation: Introduction, types, methods
April 16 to April 30	Regression: Introduction, Importance, Comparison, Methods, Properties, variance
May 1 to May 14	Probability: Introduction, Significance, Bayes's theories
May 15 to May 31	Time series: Definition, Components, Analysis, Measurement of trends
June 1 to June 15	Hypothesis Testing: Small Sample
June 16 to June 30	Hypothesis Testing: Large Sample
July 1 to July 19	Computation of above mentioned techniques with Microsoft excel

Shweta

LESSON PLAN

(2021-22 Even Semester)

Name of Assistant Professor: Ms. Aarzoo Katyal

Class: B.Com sem IV 'A' and 'CAV'

Subject: Business Laws-II

Lesson Plan: From April 2022 to July 2022

April 9 to April 15	Indian partnership act,1932-Introduction,nature,duties and rights of partners, Relationship and liabilities of partners and reconstitution of firm
April 16 to April 30	Dissolution and registration of firm, Limited liability Partnership act,2008-Meaning,features and incorporation, Partners and their liabilities, accounts and audit, Conversion of LLP
May 1 to May 14	Winding and dissolution of LLP ,Negotiable instrument act,1881-Introduction,scope,features, Types of negotiable instruments, Negotiation and crossing
May 15 to May31	Parties to negotiable instruments, Dishonor and discharge of negotiable instruments
June 1 to June 15	Information technology act,2000-Acknowledgement and dispatch of electronic record
June 16 to June 30	Information technology act,2000-certifying digital signature, penalties and other provisions , Right to information act,2005-provisions
July 1 to July 19	Right to information act,2005-provisions ,Revision

Aarzoo Katyal

LESSON PLAN

(2021-22 Even Semester)

Name of Assistant Professor: Ms. Aarzo Katyal

Class: B.Com IV sem

Subject: C.Law

Lesson Plan: From April 2022 to July 2022

April 9 to April 15	Membership, company management and administration, Directors position, qualification, appointment and removal
April 16 to April 30	Powers, duties and liabilities of directors and managerial remuneration, Key management personnel; managing directors, manager
May 1 to May 14	Company secretary
May 15 to May 31	Meetings, kinds of meeting, requisite of a valid meeting
June 1 to June 15	Authorities, notice and agenda, quorum, Chairperson and conduct of meeting , Resolution, minutes and proxy , Dividend
June 16 to June 30	Accounts of company, Audit and auditors, Prevention of oppression and mismanagement, Reconstruction and amalgamation
July 1 to July 19	Winding up, Consequences of winding up and Revision

Aarzo Katyal

LESSON PLAN

(2021-22 Even Semester)

Name of Assistant Professor: Ms. Aarzoo Katyal

Class: BBA VI

Subject: Fundamentals of Insurance

Lesson Plan: From April 2022 to July 2022

April 9 to April 15 Insurance-Concept, Nature, Classification-Life & Non-life, Functions, Importance and evolution of Insurance. Principles of Insurance.
April 16 to April 30 Life Insurance –Concept; Public & Pvt. Sector companies in India – their products, schemes & plans; LIC Act 1956-An overview.
May 1 to May 14 General Insurance – Concept, Types; Public & Pvt. Sector companies in India – their products, schemes & plans.
May 15 to May 31 IRDA Act 1999 – Organization, guidelines for life & Nonlife insurance
June 1 to June 15 Distribution channel in Insurance-Introduction, Individual Agents-Appointment, functions, code of conduct and remuneration; Eligibility, functions, code of conduct and remuneration of corporate agents and brokers.
June 16 to June 30 Life Insurance, Documentation in Life insurance contract, Claims settlement in Life Insurance.
July 1 to July 19 Documentation in General insurance contract, Claims settlement in General Insurance.

Aarzoo Katyal

LESSON PLAN

(2021-22 Even Semester)

Name of Assistant Professor: Ms. Sujata Sasan

Class: B.Com sem IV 'B' and 'C'

Subject: Business Laws-II

Lesson Plan: From April 2022 to July 2022

April 9 to April 15	Indian partnership act,1932-Introduction,nature,duties and rights of partners, Relationship and liabilities of partners and reconstitution of firm
April 16 to April 30	Dissolution and registration of firm, Limited liability Partnership act,2008-Meaning,features and incorporation, Partners and their liabilities, accounts and audit, Conversion of LLP
May 1 to May 14	Winding and dissolution of LLP ,Negotiable instrument act,1881-Introduction,scope,features, Types of negotiable instruments, Negotiation and crossing
May 15 to May31	Parties to negotiable instruments, Dishonor and discharge of negotiable instruments
June 1 to June 15	Information technology act,2000-Acknowledgement and dispatch of electronic record
June 16 to June 30	Information technology act,2000-certifying digital signature, penalties and other provisions , Right to information act,2005-provisions
July 1 to July 19	Right to information act,2005-provisions ,Revision

Sujata

LESSON PLAN

(2021-22 Even Semester)

Name of Assistant Professor: Ms. Sujata Sasan

Class: B.Com IV sem 'B'

Subject: Business Statistics-II

Lesson Plan: From April 2022 to July 2022

April 9 to April 15	Simple Correlation: concept, types: multiple and partial, linear and non-linear; Scatter diagram
April 16 to April 30	Karl Pearson's co-efficient of correlation, Spearman's Rank Correlation, Concurrent deviation method, Probable and standard errors
May 1 to May 14	Regression Analysis: meaning, difference between correlation and regression, Regression coefficients, Methods of calculation of simple regression, standard error of estimate
May 15 to May 31	Probability; concept and approaches, Addition and multiplication laws of probability, Conditional Probability, Bayes theorem
June 1 to June 15	Probability distributions: concept, Binomial, Poisson
June 16 to June 30	Probability distributions: concept, Binomial, Poisson
July 1 to July 19	Normal distributions: their properties and parameters and Revision

Sujata

LESSON PLAN

(2021-22 Even Semester)

Name of Assistant Professor: Ms. Sujata Sasan

Class: BBA

Subject: Human Behavior at Work

Lesson Plan: From April 2022 to July 2022

April 9 to April 15	Behaviour at Workplace: Nature , Meaning
April 16 to April 30	Group as a medium of learning :Group Development Process
May 1 to May 14	Group Dynamics in Workplaces: Group Cohesiveness; Group Think; Group Conformity; Group Obedience; Group Morale; Group Performance, Group decision-making
May 15 to May31	Group synergy, Team building
June 1 to June 15	Interpersonal Influence Processes: Social Loafing, Social Facilitation
June 16 to June 30	Interpersonal Communication, Interpersonal awareness and feedback process
July 1 to July 19	Interpersonal trust; Career roles and identity; Competition and cooperation and Revision

Sujata Sasan

LESSON PLAN

(2021-22 Even Semester)

Name of ^{Assistant} Associate Professor: Ms. Prabjot Kaur

Class: BBA Ist Semester

Subject: Entrepreneurship Development

Lesson Plan: From April 2022 to July 2022

April 9 to April 15 Entrepreneurship-an introduction
April 16 to April30 Entrepreneurship and society
May 1 to May 14 New venture development
May 15 to May31 Sources of Financing Entrepreneurship
June 1 to June 15 Government and Non-Government Assistance in Promoting Entrepreneurship
June 16 to June 30 Government and Non-Government Financial Assistance in Promoting Entrepreneurship
July 1 to July 19 Entrepreneurial Strategies and Business Plans and Revision

LESSON PLAN

(2021-22 Even Semester)

Name of ^{Assistant} Associate Professor: Ms. Prabhjot Kaur

Class: B.Com VIth Semester 'C' Section

Subject: Fundamentals of Insurance

Lesson Plan: From April 2022 to July 2022

April 9 to April 15 Introduction to Life and General Insurance, Principles of Insurance
April 16 to April 30 Insurance as a Social Security Tool, Insurance and Economic Development
May 1 to May 14 Contract of Life Insurance, Parties to Insurance Contract
May 15 to May 31 Conditions and Terms of Policy, Nomination and Assignment Practices
June 1 to June 15 Revivals, Loans and Surrender of Policy, Bonus and Annuity Payment
June 16 to June 30 Claim Settlement Procedure in Life Insurance, Fire Insurance, Marine Insurance
July 1 to July 19 Motor Vehicle Insurance, Insurance Intermediaries, Revision

LESSON PLAN

(2021-22 Even Semester)

Name of ^{Assistant} Associate Professor: Ms. Prabjot Kaur

Class: B.Com IInd Semester 'A' & 'CAV'

Subject: Financial Accounting-II

Lesson Plan: From April 2022 to July 2022

April 9 to April 15	Partnership Accounts, Distribution of Profit
April 16 to April 30	Admission of a Partner
May 1 to May 14	Admission of a Partner
May 15 to May 31	Retirement and Death of a Partner
June 1 to June 15	Retirement and Death of a Partner
June 16 to June 30	Hire Purchase and Installment System
July 1 to July	Branch Account, Revision

LESSON PLAN

ODD SEMESTER

Name of Assistant Professor: Prabjot Kaur

Class: B Com 1st (sem) B

Subject: Business Communication

Session: 2021-2022

Months	weeks	Name of topic
October	Week 1	Business Communication -basic forms and models
	week 2	Theories of communication
	week 3	.....do.....
	week 4	Audience analysis
	week 5	Corporate communications
November	week 1	Diwali Vacations
	week 2	Communication-barrier, improvements
	week 3	.....do.....
	week 4	Effective presentation skills
December	week 1	.....do.....
	week 2	Practices in business Communication
	week 3	Self development and Communication
	week 4	Non verbal aspects of communication
	week 5	.....do.....
January	week 1	.....do.....
	week 2	Effective listening
	week 3	Interview skills
	Week 4	Writing business letters
February	Week 1	Forms of electronic communications
	Week 2	Revision

LESSON PLAN**ODD SEMESTER**

Name of Assistant Professor: Prabhjot Kaur

Class: B Com 1st (sem) A and CAV

Subject: Financial Accounting

Session: 2021-2022

Months	weeks	Name of topic
October	Week 1	Meaning and scope of accounting Basic accounting terms and bases of accounting
	week 2	Accounting principles
	week 3	Accounting equations
	week 4	Double entry system
	week 5	Recording of accounting transactions
November	week 1	Diwali Vacations
	week 2	Accounting of goods and services
	week 3	Trial balance
	week 4	Errors and their rectification
December	week 1	Capital and revenue
	week 3	Depreciation, provisions and reserves
	week 4	.....do.....
	week 5	Final accounts
January	week 1	Final accounts – with adjustments
	week 2	.....do.....
	week 3	Accounting of non profit
	Week 4	.....do.....
February	Week 1	Consignment accounts
	Week 2	.....do.....

LESSON PLANS

(for Session 2021-22)
Odd Semester

Name of Assistant Professor: - Shweta Garg
class : - BBA IIIrd Sem

Subject : - Management Accounting

Weeks	chapters / Topics
1 1 st week (4 th Oct - 9 th Oct)	Introduction to Mgt Accounting
2 2 weeks (11 Oct - 16 Oct)	Budget & Budgetary Control
3 3 rd week (18 Oct - 23 Oct)	Budget & Budgetary Control Practical problems & doubts
4 4 th week (25 Oct - 30 Oct)	Introduction to Cost Accounting
5 5 th week 1 st Nov - 7 th Nov	Diwali vacations
6 6 th week 8 th Nov - 13 th Nov	Cost Elements, Concepts & classifications
7 7 th week (15 th Nov - 20 th Nov)	Marginal Costing & Break-Even Analysis Practical
8 8 th week 21 st Nov - 27 th Nov	Marginal Costing & Break-Even Analysis Practical problems & doubts



LESSON PLAN

(for Session 2021-22)
odd semester

Name of Assistant Professor: - Shweta Chary

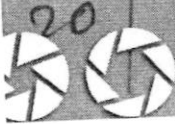
class: - BBA IIIrd Sem

Subject: - Business Communication

Week	Chapter / Topics
1 st week (4 Oct - 9 Oct)	Introduction Business Communication; Basic forms, Presentations
2 nd week (11 Oct - 16 Oct)	Effective Communication Skills Presentations
3 rd week (18 Oct - 23 Oct)	Barriers & Gateways in Communication, Presentations
4 th week (25 Oct - 30 Oct)	Commercial Letters, Presentations
5 th week 1 st Nov - 7 Nov	Writing Business & Academic Responses, Presentations
6 th week 8 Nov - 13 Nov	Public speaking, Presentations
7 th week 15 Nov - 20 Nov	Listening & Negotiability, Presentations
8 th week 22 Nov - 27 Nov	Interviews & Meetings, Presentations

9	9 th weeks (29 Nov - 4 th Dec)	Mechanism of writing, Presentations
10	10 th weeks (6 th Dec - 11 th Dec)	Effective listening Presentations
11	11 th weeks (13 th Dec - 18 th Dec)	Telephonic & face-to-face Conversation, Presentations
12	12 th weeks (20 Dec - 24 th Dec)	Organisation Communicate Presentations
13	13 th weeks (27 th Dec - 1 st Jan)	Problems relating to writing Business & Academic papers
14	14 th weeks (3 rd Jan - 8 th Jan)	Problems & exercises of Commercial letters.
15	15 th weeks (10 th Jan - 15 th Jan)	Illustrations of Grammar Punctuation, Abbreviation
16	16 th weeks (17 Jan - 22 Jan)	Revision
17	17 th weeks (24 Jan - 29 Jan)	Revision
18	18 th weeks (31 st Jan - 5 th Feb)	Revision
19	19 th weeks (7 th Feb - 12 th Feb)	Revision
20	20 th weeks (14 th Feb - 19 th Feb)	Revision

Sheet 2



S.No	Weeks	Chapters / Topics
9	9 th weeks (29 Nov - 4 th Dec)	Standard Costing and Variance Analysis
10	10 th weeks 6 th Dec - 11 th Dec	Standard Costing & Variance Analysis Practical Problems & Doubts
11	11 th weeks 13 th Dec - 18 th Dec	Management Accounting Control Techniques
12	12 th weeks 20 th Dec - 24 th Dec	Management Accounting Control Techniques Assessment - Tests
13	13 th week 27 th Dec - 1 st Jan	Ratio Analysis
14	14 th weeks 3 rd Jan - 8 th Jan	Ratio Analysis Practical Problems & Doubts
15	15 th weeks (10 th Jan - 15 th Jan)	Responsibility Accounting
16	16 th weeks 17 th Jan - 22 nd Jan	Presentations on different topics
17	17 th weeks 24 th Jan - 29 th Jan	Presentations on different topics
18	18 th weeks 31 st Jan - 5 th Feb	Revision & Presentations
19	19 th weeks 7 th Feb - 12 th Feb	Revision
	20 th weeks 14 th Feb - 19 th Feb	Revision

9	9 th week (29 Nov - 4 th Dec)	The Integrated Goods Services Tax Act, 2017
10	10 th week (6 th Dec - 11 th Dec)	Nature of Supplies; Inter-state and Intra-state
11	11 th week (13 th Dec - 18 th Dec)	Place of supply
12	12 th week (20 Dec - 24 th Dec)	Value of taxable supply
13	13 th week (27 Dec - 31 st Jan)	Input tax credit
14	14 th week (3 rd Jan - 8 th Jan)	Registration
15	15 th week (10 th Jan - 15 th Jan)	Tax Invoice, credit & debit notes
16	16 th week (17 th Jan - 22 nd Jan)	Returns, Assessment and Audit
17	17 th week (24 th Jan - 29 th Jan)	Payment of tax
18	18 th week (31 st Jan - 5 th Feb)	Offences & Penalties
19	19 th week (7 th Feb - 12 th Feb)	- Revision - Shukla
20	20 th week (14 th Feb - 19 th Feb)	- Revision -



Assistant Professor: Sujata Sasan

Class: B. Com 5 Sem B

Subject: Auditing

Week 1 4.10.2021-9.10. 2021	Introduction
Week 2 11.10.2021-16.10. 2021	Classification and Types of Audits
Week 3 18.10.2021-23.10. 2021	Audit Planning
Week 4 25.10.2021-30.10. 2021	Audit Evidence and Internal Control
Week 5 1.11.2021-7.11. 2021	Diwali Vacations
Week 6 8.11.2021-13.11. 2021	Internal Check and Internal Audit
Week 7 15.11.2021-20.11. 2021	Vouching
Week 8 22.11.2021-27.11. 2021	Vouching of Cash Transactions
Week 9 29.11.2021-4.12. 2021	Vouching of Ledger
Week 10 6.12.2021-11.12. 2021	Verification and Valuation of Assets and Liabilities
Week 11 13.12.2021-18.12.2021	Company Audit
Week 12 20.12.2021-24.12. 2021	Appointment, Remuneration, Rights and Duties of an Auditor

Sujata

Week 13	27.12.2021-1.01. 2022	Liabilities of an Auditor
Week 14	3.01. 2022-8.01. 2022	Audit of Government Companies
Week 15	10.01. 2022-15.01. 2022	Auditor's Report
Week 16	17.01.2022-22.01. 2022	Investigation
Week 17	24.01.2022-29.01. 2022	Professional Ethics and Conduct
Week 18	31.02.2022-5.02. 2022	Logarithms
Week 19	7.02.2022-12.02. 2022	Annuities
Week 20	14.02.2022-19.02. 2022	Revision
		23.02.2022 Examination

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Assistant Professor: Sujata Sasan

Class: B. Com 5 Sem C

Subject: Financial Management

Week 1 4.10.2021-9.10. 2021	Nature and Scope of Financial Management
Week 2 11.10.2021-16.10. 2021	Financial Planning
Week 3 18.10.2021-23.10. 2021	Capitalisation
Week 4 25.10.2021-30.10. 2021	Financial Forecasting
Week 5 1.11.2021-7.11. 2021	Diwali Vacations
Week 6 8.11.2021-13.11. 2021	Long Term Sources of Finance
Week 7 15.11.2021-21.11. 2021	Medium- and Short-Term Sources of Finance
Week 8 22.11.2021-28.11. 2021	Cost of Debt and Preference Shares
Week 9 29.11.2021-5.12. 2021	Cost of Equity Shares and Weighted Average Cost of Capital
Week 10 6.12.2021-11.12.2021	Practical questions of Cost of Capital
Week 11 13.12.2021-18.12. 2021	Capital Structure Decisions
Week 12 20.12.2021-24.12. 2021	Capital Budgeting
Week 13 27.12.2021-1.01. 2022	Capital Budgeting Techniques

Sujata

Week 14	3.01. 2022-8.01. 2022	Working Capital Needs, Types and determinants
Week 15	10.01. 2022-15.01. 2022	Forecasting Working Capital Requirements
Week 16	17.01.2022-22.01. 2022	Practical Questions of Working Capital
Week 17	24.01.2022- 29.01. 2022	Revision
Week 18	31.01.2022-5.02. 2022	Revision
Week 19	7.02.2022-12.02. 2022	Revision
Week 20	14.02.2022-19.02. 2022	Revision
23.02.2022 Examination		

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LESSON PLAN

Name of Assistant Professor: Sujata Sasan

Class: B. Com 3 Sem A and C

Subject: Business Law

Lesson Plan: From October 2021 to February 2022

Week 1 4.10.2021-9.10. 2021	Overview of Business Law
Week 2 11.10.2021-16.10. 2021	Indian Contract Act, 1872: Introduction
Week 3 18.10.2021-23.10. 2021	Valid Contract and its Elements
Week 4 25.10.2021-30.10. 2021	Proposal, Acceptance and Revocation
Week 5 1.11.2021-7.11. 2021	Diwali Vacations
Week 6 8.11.2021-13.11. 2021	Contractual Capacity of Parties
Week 7 15.11.2021-20.11. 2021	Free Consent and Lawful Consideration
Week 8 22.11.2021-27.11. 2021	Lawful Consideration and Object
Week 9 29.11.2021-4.12. 2021	Agreements Declared as Void, Legal Formalities
Week 10 6.12.2021-11.12. 2021	Contingent Contracts and Performance of Contracts
Week 11 13.12.2021-18.12. 2021	Discharge of Contracts, Implied, Quasi and Constructive Contracts

Sujata

Week 12	20.12.2021-24.12. 2021	Consequences of Breach, Contract of Indemnity
Week 13	27.12.2021-1.01. 2022	Contract of Guarantee, Bailment and Pledge
Week 14	3.01. 2022-8.01. 2022	Contract of Agency
Week 15	10.01. 2022-15.01. 2022	Contract of Agency cont..
Week 16	17.01.2022-22.01. 2022	Sale of Goods Act- 1930, Conditions and Warranties
Week 17	24.01.2022-29.01. 2022	Transfer of Property, Performance of Contract
Week 18	31.01.2022-5.02. 2022	Unpaid Seller, Suits for Breach of Contract
Week 19	7.02.2022-12.02. 2022	Consumer Protection Act, 1986
Week 20	14.02.2022-19.02. 2022	Revision
23.02.2022 Examination		

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LESSON PLAN

Name of Assistant Professor: Aarzo Katyal

Class: B. Com 3 Sem B and CAV

Subject: Business Law

Lesson Plan: From October 2021 to February 2022

Week 1 4.10.2021-9.10. 2021	Overview of Business Law
Week 2 11.10.2021-16.10. 2021	Indian Contract Act, 1872: Introduction
Week 3 18.10.2021-23.10. 2021	Valid Contract and its Elements
Week 4 25.10.2021-30.10. 2021	Proposal, Acceptance and Revocation
Week 5 1.11.2021-7.11. 2021	Diwali Vacations
Week 6 8.11.2021-13.11. 2021	Contractual Capacity of Parties
Week 7 15.11.2021-20.11. 2021	Free Consent and Lawful Consideration
Week 8 22.11.2021-27.11. 2021	Lawful Consideration and Object
Week 9 29.11.2021-4.12. 2021	Agreements Declared as Void, Legal Formalities
Week 10 6.12.2021-11.12. 2021	Contingent Contracts and Performance of Contracts
Week 11 13.12.2021-18.12. 2021	Discharge of Contracts, Implied, Quasi and Constructive Contracts

Aarzo Katyal

Week 12	20.12.2021-24.12. 2021	Consequences of Breach, Contract of Indemnity
Week 13	27.12.2021-1.01. 2022	Contract of Guarantee, Bailment and Pledge
Week 14	3.01. 2022-8.01. 2022	Contract of Agency
Week 15	10.01. 2022-15.01. 2022	Contract of Agency cont..
Week 16	17.01.2022-22.01. 2022	Sale of Goods Act- 1930, Conditions and Warranties
Week 17	24.01.2022-29.01. 2022	Transfer of Property, Performance of Contract
Week 18	31.01.2022-5.02. 2022	Unpaid Seller, Suits for Breach of Contract
Week 19	7.02.2022-12.02. 2022	Consumer Protection Act, 1986
Week 20	14.02.2022-19.02. 2022	Revision
23.02.2022 Examination		

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Reddy*

Assistant Professor: Aarzoo Katyal

Class: B. Com 5 Sem B

Subject: Financial Management

Week 1 4.10.2021-9.10. 2021	Nature and Scope of Financial Management
Week 2 11.10.2021-16.10. 2021	Financial Planning
Week 3 18.10.2021-23.10. 2021	Capitalisation
Week 4 25.10.2021-30.10. 2021	Financial Forecasting
Week 5 1.11.2021-7.11. 2021	Diwali Vacations
Week 6 8.11.2021-13.11. 2021	Long Term Sources of Finance
Week 7 15.11.2021-21.11. 2021	Medium- and Short-Term Sources of Finance
Week 8 22.11.2021-28.11. 2021	Cost of Debt and Preference Shares
Week 9 29.11.2021-5.12. 2021	Cost of Equity Shares and Weighted Average Cost of Capital
Week 10 6.12.2021-11.12.2021	Practical questions of Cost of Capital
Week 11 13.12.2021-18.12. 2021	Capital Structure Decisions
Week 12 20.12.2021-24.12. 2021	Capital Budgeting
Week 13 27.12.2021-1.01. 2022	Capital Budgeting Techniques

Aarzoo Katyal

Week 14	3.01. 2022-8.01. 2022	Working Capital Needs, Types and determinants
Week 15	10.01. 2022-15.01. 2022	Forecasting Working Capital Requirements
Week 16	17.01.2022-22.01. 2022	Practical Questions of Working Capital
Week 17	24.01.2022- 29.01. 2022	Revision
Week 18	31.01.2022-5.02. 2022	Revision
Week 19	7.02.2022-12.02. 2022	Revision
Week 20	14.02.2022-19.02. 2022	Revision
23.02.2022 Examination		

Harroo Ketzal

Assistant Professor: Aarzo Katyal

Class: B. Com 5 Sem C

Subject: Auditing

Week 1 4.10.2021-9.10. 2021	Introduction
Week 2 11.10.2021-16.10. 2021	Classification and Types of Audits
Week 3 18.10.2021-23.10. 2021	Audit Planning
Week 4 25.10.2021-30.10. 2021	Audit Evidence and Internal Control
Week 5 1.11.2021-7.11. 2021	Diwali Vacations
Week 6 8.11.2021-13.11. 2021	Internal Check and Internal Audit
Week 7 15.11.2021-20.11. 2021	Vouching
Week 8 22.11.2021-27.11. 2021	Vouching of Cash Transactions
Week 9 29.11.2021-4.12. 2021	Vouching of Ledger
Week 10 6.12.2021-11.12. 2021	Verification and Valuation of Assets and Liabilities
Week 11 13.12.2021-18.12.2021	Company Audit
Week 12 20.12.2021-24.12. 2021	Appointment, Remuneration, Rights and Duties of an Auditor

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Katyal

Week 13	27.12.2021-1.01. 2022	Liabilities of an Auditor
Week 14	3.01. 2022-8.01. 2022	Audit of Government Companies
Week 15	10.01. 2022-15.01. 2022	Auditor's Report
Week 16	17.01.2022-22.01. 2022	Investigation
Week 17	24.01.2022-29.01. 2022	Professional Ethics and Conduct
Week 18	31.02.2022-5.02. 2022	Logarithms
Week 19	7.02.2022-12.02. 2022	Annuities
Week 20	14.02.2022-19.02. 2022	Revision
23.02.2022 Examination		

*Haroon
Bisgel*