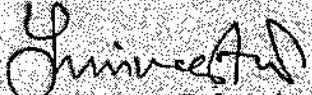


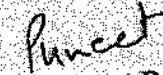
DAYANAND COLLEGE, HISAR
Department of Biotechnology
LESSON PLAN (2021-2022)
Semester- II (M. Sc. -I)
Submitted By: - Dr. Puneet Beniwal
BTL-524: PLANT CELL, TISSUE AND ORGAN CULTURE


Sr. No.	Month	Topics
1	April 5,2022 to April 9,2022	Historical background, Concepts and basic techniques in tissue culture, Media preparation, Cell, Tissue and organ culture, Organogenesis. Callus Culture: Induction, Maintenance, Growth characteristics, Suspension cultures.
2	April 10,2022	Sunday
3	April 11,2022 to April 13,2022	Micropropagation: Techniques, Clonal propagation of elite germplasm, Factors affecting morphogenesis and proliferation rate, technical problem in micropropagation, Meristem culture for the production of pathogen free plants, Applications of micropropagation.
4	April 14,2022	Vaisakhi
5	April 15,2022 to April 16,2022	Protoplast Culture: Protoplast isolation, Fusion and culture, Somatic hybridization, Selection systems for hybrids, Asymmetric hybrids.
6	April 17,2022	Sunday
7	April 18,2022 to April 23,2022	Production of hybrids and organelle recombinants, Role of protoplast culture and somatic hybridization in the improvement of crop plants, Haploid production and its significance.
8	April 24,2022	Sunday
9	April 25, 2022 to April 29,2022	Anther and pollen culture, Monoploid production through chromosome elimination, Production of triploids through endosperm culture, Role of haploids, Monoploids and triploids in agriculture.
10	30 April 2022	Assessment test

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		Sunday
13	May 2, 2022 to May 7, 2022	Cytodifferentiation in cell and tissue cultures, Origin of nuclear variations, Factors affecting variations. Ploidy levels and variations in plants from Anther culture, Control of regeneration.
14	May 8, 2022	Sunday
15	May 9, 2022 to May 14, 2022	Somaclonal variations and in-vitro selection for biotic and abiotic stresses, Isolation of useful mutants at cellular level (disease resistant, herbicide resistant and salt tolerant) Practical applications of variability in tissue cultures
16	May 15, 2022	Sunday
17	May 16, 2022 to May 21, 2022	Cryopreservation and germplasm conservation, Production of synthetic and artificial seeds, Cryobiology of plant cell cultures and establishment of plant banks, Freeze preservation technology, Factors affecting revival of frozen cells, Future prospects.
18	May 22, 2022	Sunday
19	May 23, 2022 to May 24, 2022	Assignment submission
20	May 26, 2022 to May 30, 2022.	Role of tissue culture in the improvement of crop plants, Plant cell culture for the production of useful secondary metabolites- pigments, perfumes, flavours and pharmacologically important compounds. Automation in plant tissue culture for its commercial application.


 Dr. Vivek Srivastava
 (Associate Professor)
 Head, Department of Biotechnology

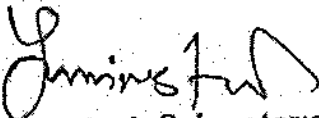

 Dr. Puneet Beniwal
 (Assistant Professor)
 Subject Tutor

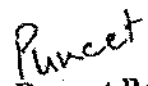

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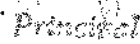
DAYANAND COLLEGE, HISAR
Department of Biotechnology
LESSON PLAN (2021-2022)
Semester- II (M. Sc. -I)
Submitted By: - Dr. Puneet Beniwal
BTL 541: AGRICULTURAL BIOTECHNOLOGY & IPR

Sr. No.	Month	Topics
1	April 5,2022 to April 9,2022	Agricultural Biotechnology: An overview, Concept of Sustainable Agriculture, Role of biofertilizers and bio-pesticides in sustainable agriculture
2	April 10,2022	Sunday
3	April 11,2022 to April 13,2022	Biological N ₂ Fixation: Diazotrophic microorganism, Free living and symbiotic nitrogen fixing microbes, Structure, function and regulation of nitrogenase enzyme, Molecular basis of legume Rhizobium symbiosis.
4	April 14,2022	Vaisakhi
5	April 15,2022 to April 16,2022	Intellectual Property Rights and Protection: The GATT & TRIPs, Concept of Patents, Copyrights, Trademarks; Patenting - need for patents. Patenting of biological materials, Patenting of life forms-plant, animals, microbes, gene, process and products, Regulatory issues and challenges to food products.
6	April 17,2022	Sunday
7	April 18,2022 to April 23,2022	Regulatory issues and challenges to food products. Patent process, protection of knowledge, knowledge consortia and databases. Procedure for patent application, international harmonization of patent laws. Implications of intellectual property rights on the commercialization of biotechnology products.
8	April 24,2022	Sunday
9	April 25, 2022 to April 30,2022	TRIPS and WTO. Plant breeders' rights, and farmers' rights. International conventions on biological diversity.
10	May 1,2022	Sunday

11	2 May, 2022	Assignment
13	May 2, 2022 to May 7, 2022	Transgenic plants, commercial status and public acceptance. Bio-safety guidelines for research involving GMO's, Benefits and risks, Socioeconomic impact and ecological considerations of GMO's. Gene flow. ; National biosafety policies and law.
14	May 8, 2022	Sunday
15	May 9, 2022 to May 14, 2022	WTO and other international agreements related to biosafety, cross border movement of germplasm; risk management issues - containment, transgenic animals, Aquaculture, Sericulture and transgenic fish.
16	May 15, 2022	Sunday
17	May 16, 2022	Assessment test
17	May 17, 2022 to May 21, 2022	Financing R&D capital and market outlook, IP, BP, SP. Government regulatory practices and policies, FDA perspective. Reimbursement of drugs and biologicals, legislative perspective.
18	May 22, 2022	Sunday
19	May 23, 2022 to May 24, 2022	General Principles for the Laboratory and Environmental Biosafety: Health aspects; toxicology, allergenicity, Sources of gene escape, creation of superbugs etc. Quality Assurance and validation. Good Manufacturing Practices (GMP) and Good laboratory practices (GLP) in pharmaceutical industry.
20	May 26, 2022 to May 30, 2022	Regulatory aspects of quality control. Quality assurance and quality management in pharmaceuticals ISO, WHO and US certification. Sterilization control and sterility testing (heat sterilization, D value, z value, survival curve, Radiation, gaseous and filter sterilization). Design and layout of sterile product manufacturing unit, (Designing of Microbiology laboratory), Safety in microbiology laboratory.


Dr. Vivek Srivastava
 (Associate Professor)
 Head, Department of Biotechnology


Dr. Puneet Beniwal
 (Assistant Professor)
 Subject Tutor



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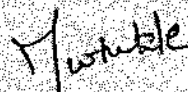
DAYANAND COLLEGE, HISAR
 Department of Biotechnology
LESSON PLAN (2021- 2022)
 Semester- II (M. Sc. -I)
 Submitted By: - Dr. Twinkle
BTL 522: MOLECULAR BIOLOGY

Sr. No.	Month	Topics
1	April 5,2022 to April 9,2022	DNA Structure: DNA as genetic material, Chemical structure and base composition of nucleic acids, Double helical structures, Different forms of DNA, Forces stabilizing nucleic acid structure.
2	April 10,2022	Sunday
3	April 11,2022 to April 13,2022	Super coiled DNA, Properties of DNA, Renaturation and denaturation of DNA. Tm and Cot curves, Structure of RNA.
4	April 14,2022	Vaisakhi
5	April 15,2022 to April 16,2022	DNA Replication: General features of DNA replication, Enzymes and proteins of DNA replication, Models of replication, Prokaryotic and eukaryotic replication mechanism. Replication in phages, Reverse transcription.
6	April 17,2022	Sunday
7	April 18,2022 to April 23,2022	Transcription: Mechanism of transcription in prokaryotes and eukaryotes, RNA polymerases and promoters, Post-transcriptional processing of tRNA, rRNA and mRNA (5' capping, 3' polyadenylation and splicing), RNA as an enzyme-Ribozyme.
8	April 24,2022	Sunday
9	April 25, 2022 to April 29,2022	Anther and pollen culture, Monoploid production through chromosome elimination, Production of triploids through endosperm culture, Role of haploids, Monoploids and triploids in agriculture.
10	30 April 2022	Assessment test

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11	May 1, 2022	Sunday
13	May 2, 2022 to May 7, 2022	Cytodifferentiation in cell and tissue cultures, Origin of nuclear variations, Factors affecting variations. Ploidy levels and variations in plants from Anther culture, Control of regeneration.
14	May 8, 2022	Sunday
15	May 9, 2022 to May 14, 2022	Translation: Genetic code, General features, Deciphering of genetic code, Code in mitochondria. Translational mechanism in prokaryotes and eukaryotes.
16	May 15, 2022	Sunday
17	May 16, 2022	Assignment submission
18	May 17, 2022 to May 21, 2022	Post translational modification and transport, Protein targeting (signalling), Non ribosomal polypeptide synthesis, Antibiotic inhibitors and translation.
19	May 22, 2022	Sunday
20	May 23, 2022 to May 30, 2022.	Regulation of Gene Expression in Prokaryotes and Eukaryotes: Operon concept, Positive and negative control, lac, trp and arb operon, Regulation of gene expression in eukaryotes (a brief account), Anti-sense RNA, RNAi.


Dr. Vivek Srivastava
 (Associate Professor)
 Head, Department of Biotechnology


Dr. Twinkle
 (Assistant Professor)
 Subject Tutor

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LESSON PLAN (2021- 2022)

Semester- II (M. Sc. -I)

Submitted By: - Dr. Twinkle

BTL-523: FUNDAMENTALS OF IMMUNOLOGY

Sr. No.	Month	Topics
1	April 5,2022 to April 9,2022	Immunology- fundamental concepts and anatomy of the immune system Components of innate and acquired immunity; Phagocytosis; Complement and Inflammatory responses; Haematopoiesis; Organs and cells of the immune system- primary and secondary lymphoid organs
2	April 10,2022	Sunday
3	April 11,2022 to April 13,2022	Lymphatic system; Lymphocyte circulation; Lymphocyte homing; Mucosal and Cutaneous associated Lymphoid tissue. (MALT & CALT); Mucosal Immunity; Antigens - immunogens, haptens; Complement system.
4	April 14,2022	Vaisakhi
5	April 15,2022 to April 16,2022	immune responses generated by B and T lymphocytes Immunoglobulins-basic structure, classes & subclasses of immunoglobulins, Hybridoma technology and its application, antigenic determinants; Multigene organization of immunoglobulin genes
6	April 17,2022	Sunday
7	April 18,2022 to April 23,2022	B-cell receptor; Immunoglobulin superfamily; Principles of cell signaling; Basis of self, non-self-discrimination; Kinetics of immune response, memory; Generation of antibody diversity.
8	April 24,2022	Sunday
9	April 25, 2022 to April 30,2022	Processing and presentation of antigen: Antigen processing and presentation- endogenous antigens, exogenous antigens, non-peptide bacterial antigens and super-antigens, Major Histocompatibility Complex - MHC genes, MHC and immune responsiveness and disease susceptibility, HLA typing.
10	May 1,2022	Sunday

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	May 4, 2022 to May 7, 2022	Antigen-antibody interactions Precipitation; agglutination and complement mediated immune reactions; Advanced immunological techniques- RIA, ELISA, Western blotting, ELISPOT assay, immunofluorescence, flow cytometry and immune electron microscopy;
12	May 8, 2022	Sunday
13	May 9, 2022 to May 14, 2022	Surface plasmon resonance, Biosensor assays for assessing ligand-receptor interaction, CMI techniques lymphoproliferation assay, Mixed lymphocyte reaction, Cell Cytotoxicity assays, Apoptosis.
14	May 15, 2022	Sunday
15	May 16, 2022	Assignment submission and Assessment test
16	May 16, 2022 to May 21, 2022	Clinical Immunology Immunity to Infection: Bacteria, viral, fungal and parasitic infections (with examples from each group); Hypersensitivity – Type I-IV; Autoimmunity; Types of autoimmune diseases; Mechanism and role of CD4+ T cells; MHC and TCR in autoimmunity; Treatment of autoimmune diseases; Cytokines-properties, receptors and therapeutic uses; Vaccines.
17	May 22, 2022	Sunday
18	May 23, 2022 to May 30, 2022	Tumor immunology –Tumor antigens; Immune response to tumors and tumor evasion of the immune system, Cancer immunotherapy; Immunodeficiency Primary immune deficiencies, Acquired or secondary immune deficiencies.

Dr. Vivek Srivastava

Dr. Vivek Srivastava
(Associate Professor)

Head, Department of Biotechnology

Dr. Twinkle

Dr. Twinkle
(Assistant Professor)
Subject Tutor

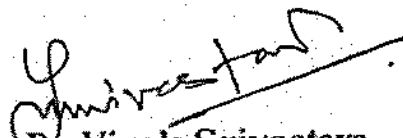
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DAYANAND COLLEGE, HISAR
Department of Biotechnology
LESSON PLAN (2021- 2022)
Semester- IV (M. Sc. -II)
Submitted by- Dr. Ritu Saharan
BTL 542: FERMENTATION TECHNOLOGY

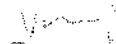
Sr. No.	Month	Topics
1.	April 5,2022 to April 9,2022	Fermentation overview, Introduction to fermentation processes, industrially important microorganisms- Isolation, screening, and preservation of industrially important microorganisms.
2	April 10,2022	Sunday
3	April 11,2022 to April 13,2022	Strain Improvement: Natural selection, mutation and screening of improved cultures, random and strategic screening methods.
4	April 14,2022	Vaisakhi
5	April 15,2022 to April 16,2022	Use of recombinant DNA technology, protoplast fusion etc. Principles of overproduction of primary and secondary metabolites with relevant examples.
7	April 17,2022	Sunday
8	April 18,2022 to April 21,2022	Fermentation Systems: Batch and Continuous system, Fed batch culture, Multistage systems,
	April 22 ,2022 to April 23,2022	Presentation
9	April 24,2022	Sunday
10	April 25, 2022 to April 29,2022	Feedback systems. Solid substrate fermentation. Instrumentation and control of fermentation processes. Solid substrate fermentation.
11	April 30,2022	Assessment Test.
12	May 1,2022	Sunday

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13	May 2,2022 to May 7,2022	Instrumentation and control of fermentation processes. Production and Recovery of Primary and Secondary Metabolites: Industrial Alcohol, Beer, Wine, Citric Acid, Acetic acid, lactic acid, Acetone- Butanol fermentation, Amino acids- Lysine & Glutamic acid production.
14	May 8,2022	Sunday
15	May 9,2022 to May 11,2022	Industrial enzymes, Antibiotics- Penicillin and Tetracycline, Bioinsecticides, Biopolymers, vitamins and steroids.
16	May 12,2022 to May 14,2022	Media for industrial fermentation, Criteria used in media formulation, sterilization, raw materials and process control.
17	May 15,2022	Sunday
18	May 16,2022 to May 18,2022	Downstream processing- Separation processes and recovery methods for fermentation products.
19	May 19,2022	Assignment Submission
20	May 20,2022 to May 21,2022	Bioreactor configuration, design features, Criteria in Fermenter design, Requirement for aeration and mixing, Energy Transfer.
21	May 22,2022	Sunday
22	May 23,2022 to May 25,2022	Other fermenter designs- Tube reactors, packed bed reactors, fluidized bed reactors, cyclone reactors, trickle flow reactors.
23	May 26, 2022 to May 28, 2022.	Waste Treatment systems, Aerobic and anaerobic waste treatment systems for waste treatment in fermentation industry.
24	May 30,2022 to May 31,2022	Problem taken.


Dr. Vivek Srivastava
 (Associate Professor)
 Head, Department of Biotechnology


Dr. Ritu Saharan
 (Assistant Professor)
 Subject Tutor


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Department of Biotechnology
LESSON PLAN (2021-2022)
Semester- IV (M. Sc. -II)
Submitted by- Dr. Ritu Saharan
BTL-547 Environmental Biotechnology

Sr. No.	Month	Topics
1.	April 5,2022 to April 9,2022	An overview, Concepts and dynamics of Ecosystem, Food chain and energy flow.
2	April 10,2022	Sunday
3	April 11,2022 to April 13,2022	Basic concept and issues, Types of pollution, Sources, Chemistry and monitoring of air and water pollution, Methods of pollution measurement.
4	April 14,2022	Vaisakhi
5	April 15,2022 to April 16,2022	Concepts of Global Warming and Ozone Depletion, Eco-farming, Organic farming.
6	April 17,2022	Sunday
7	April 18,2022 to April 21,2022	Greenhouse effect and acid rains, Biotechnological approaches for management (a brief account).
8	April 22,2022 to April 23,2022	Assignment submission
9	April 24,2022	Sunday
10	April 25, 2022 to April 30,2022	Waste Water Treatment: Microbiology of waste water treatments, Aerobic process, Anaerobic process, Treatment scheme of dairy.
11	May 1,2022	Sunday
12	May 2,2022	Assessment test
13	May 3,2022 to May 7,2022	Distillery, paper, pulp, sugar and antibiotic industries, Solid waste management, Conventional and modern fuels and their environmental impact, Biofuels.

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14	May 8, 2022	Sunday
14	May 9, 2022 to May 14, 2022	Bioremediation: Concept, Use of bacteria in bioremediation, Bio-pesticide for reducing environmental impact of synthetic pesticides, Biotechnology in forestry and wasteland development, Phyto-remediation, Role of Biosensors for detection of pollutants.
15	May 15, 2022	Sunday
16	May 16, 2022 to May 21, 2022	Organism involved in degradation of chlorinated hydrocarbons, Aromatic compounds, Microbial treatment of oil spills, Treatment of hazardous wastes.
17	May 22, 2022	Sunday
18	May 23, 2022 to May 24, 2022	Presentation
19	May 26, 2022 to May 28, 2022.	Biomining: Organic matter decomposition- C-cycle, N-cycle, S-cycle, Bioconversion of cellulose, Hemicellulose, Lignin (lignocellulose), Biobleaching of ores, Recovery of metals. Biotechnological Approaches for Preserving Biodiversity: Gene banks, Germ plasma banks and their management.
20	May 30, 2022 to May 31, 2022	Problem taken.

Dr. Vivek Srivastava
(Associate Professor)
Head, Department of Biotechnology

Ritu Saharan
Dr. Ritu Saharan
(Assistant Professor)
Subject Tutor

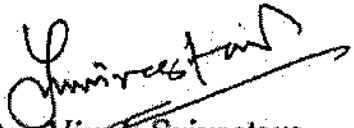
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 Department of Biotechnology
LESSON PLAN (2021- 2022)
 Semester- II (M. Sc. -I)
 Submitted by- Dr. Ritu Saharan
 BTL 521: THEORY & APPLICATIONS OF BIOTECHNIQUES

Sr. No.	Month	Topics
1	April 5,2022 to April 9,2022	Microscopic Techniques: Principles and applications of light, Phase contrast, Fluorescence microscopy
2	April 10,2022	Sunday
3	April 11,2022 to April 13,2022	Scanning and Transmission Electron Microscopy, Confocal Microscopy. Flow Cytometry.
4	April 14,2022	Vaisakhi
5	April 15,2022 to April 16,2022	Centrifugation: Preparative and analytical Centrifuges, Sedimentation analysis, RCF, Density Gradient Centrifugation.
6	April 17,2022	Sunday
7	April 18,2022 to April 23,2022	Chromatography Techniques: Theory and Application of Paper Chromatography, TLC, Gel Filtration,
8	April 24,2022	Sunday
9	April 25, 2022	Assignment submission
10	26 April 2022 to April 30,2022	Ion Exchange Chromatography, Affinity Chromatography, GLC and HPLC.
11	May 1,2022	Sunday

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12	May 2,2022	Assessment test
13	May 3,2022 to May 7,2022	Electrophoresis Techniques: Theory and Application of PAGE, Agarose Gel Electrophoresis.
14	May 8,2022	Sunday
15	May 9,2022 to May 14,2022	Iso-electric Focusing, Blotting techniques- Southern, Northern and Western Blotting
16	May 15,2022	Sunday
17	May 16,2022 to May 21,2022	Spectroscopic Techniques: Theory and Application of UV and Visible Spectroscopy, FTIR Spectroscopy, MS, NMR, Atomic Absorption Spectroscopy, X- ray diffraction, Raman Spectroscopy.
18	May 22,2022	Sunday
19	May 23,2022 to May 24,2022	Introduction to Radioisotopes and their biological applications, Radioactive Decay – Types and Measurement. Principles and Applications of GM Counter.
20	May 26, 2022 to May 28, 2022.	Solid and Liquid Scintillation Counter, Autoradiography, Radiation Dosimetry. Other Techniques: Particle Size Analyzer, Circular Dichroism.
21	May 30,2022 to May 31,2022	Problem taken.


Dr. Vivek Srivastava
 (Associate Professor)
 Head, Department of Biotechnology

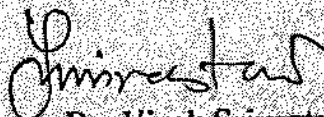

Dr. Ritu Saharan
 (Assistant Professor)
 Subject Tutor



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Department of Biotechnology
LESSON PLAN (2021- 2022)
Semester- IV (M. Sc. -II)
BTL 543: Genomics and Proteomics

Sr. No.	Month	Topics
1.	April 5,2022 to April 9,2022	Genomics: Organization of genomes: main features of bacterial and eukaryotic genome organization. Strategies for genome sequencing: Chain termination method
2	April 10,2022	Sunday
3	April 11,2022 to April 13,2022	Automated sequencing, Next Generation Sequencing, 454 pyrosequencing, Illumina Sequencing, Sequence assemblers - Clone contig and shotgun approaches.
4	April 14,2022	Vaisakhi
5	April 15,2022 to April 16,2022	Model plant genome project and its applications. Locating the genes: ORF scanning, homology searches.
7	April 17,2022	Sunday
8	April 18,2022 to April 21,2022	Functional Genomics: Functions analysis of genes, candidate gene identification in crop plants, deciphering the function of gene in plant secondary metabolism, gene inactivation (knock-out, anti-sense and RNA interference) and gene over expression.
	April 22 ,2022 to April 23,2022	Presentation
9	April 24,2022	Sunday
10	April 25, 2022 to April 29,2022	Approaches to analyze global gene expression: transcriptome, Serial Analysis of Gene Expression (SAGE), Expressed Sequence Tags (ESTs), Massively Parallel Signature Sequencing (MPSS), microarray and its applications, gene tagging
11	April 30,2022	Assessment Test.
12	May 1,2022	Sunday

13	May 2,2022 to May 7,2022	Metagenomics: Prospecting for novel genes from metagenomes and their biotechnological applications, Proteomics: Introduction to proteomics, Analysis of proteome-2D PAGE, Mass Spectrometry based methods for protein identification
14	May 8,2022	Sunday
15	May 9,2022 to May 11,2022	De novo sequencing using Mass spectrometric data, use of MALDI TOF and related methods for protein mass determination, protein microarrays
16	May 12,2022 to May 14,2022	protein interactive maps; structural proteomics: protein structure determination, prediction and threading, software and data analysis/ management, etc.
17	May 15,2022	Sunday
18	May 16,2022 to May 18,2022	Metabolomics: Techniques in metabolomics (HPLC, GC-MS, LC-MS)
19	May 19,2022	Assignment Submission
20	May 20,2022 to May 21,2022	Nuclear Magnetic Resonance Spectroscopy and Mass Spectrometry in metabolomics
21	May 22,2022	Sunday
22	May 23,2022 to May 25,2022	Application of metabolomics in elucidating metabolic pathways
23	May 26, 2022 to May 28, 2022.	metabolic pathways resources: KEGG, Biocarta etc., Nutrigenomics and metabolic health
24	May 30,2022 to May 31,2022	Problem taken.


 Dr. Vivek Srivastava
 (Associate Professor)
 Head, Dept. of Biotechnology


 Dr. Asha
 (Assistant Professor)
 Subject Tutor

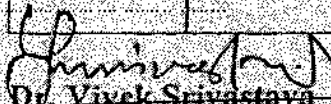
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Department of Biotechnology
LESSON PLAN (2021- 2022)
Semester- IV (B. Sc. -II)
BIT 402L: Recombinant DNA Technology

1	May 6,2022 to May 7,2022	Recombinant DNA Technology and Genetic Engineering: Introduction, history, scope and applications. Tools of Recombinant DNA technology
2	May 8,2022	Sunday
3	May 9,2022 to May 11,2022	Steps in gene cloning. Gene cloning tools - Restriction enzymes and their features. Ligases, polymerases, alkaline phosphatases, kinases, transferases and other DNA engineering enzymes. Linkers and adapters
4	May 12,2022 to May 14,2022	Gene Cloning Vectors: Introduction, Properties of host. nomenclature of vectors, properties of a suitable vector. Plasmid vectors, bacteriophage. M13 vectors. Expression vectors, BACs, Transformation: Techniques of introducing r-DNA into the desired host, competent cells, electroporation and microinjection
5	May 15,2022	Sunday
6	May 16,2022 to May 18,2022	Screening and selection of transformants and their characterization, selection of clone having the specific DNA insert - immunological screening and colony hybridization. Marker genes- selectable and scorable markers.
7	May 19,2022	Assignment Submission.
8	May 20,2022 to May 21,2022	Gene Libraries: Construction of Genomic and cDNA library, advantages and limitations, screening of gene libraries. DNA amplification through PCR: Basic features

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		and applications of PCR, types and modifications like inverse PCR, RT-PCR, anchored PCR, nested PCR.
9	May 22, 2022	Sunday
10	May 23, 2022 to May 25, 2022	DNA sequencing techniques, Maxam - Gilbert's method, Sanger's dideoxy chain termination method, Automated DNA sequencing.
11	May 26, 2022 to May 28, 2022.	Genome Mapping: Concept and applications. Restriction enzyme digestion and restriction mapping. Southern and Northern analysis. DNA finger printing, Western blotting, dot blots and slot blots. RFLP, RAPD (brief only)
12	May 30, 2022 to May 31, 2022	Applications of Recombinant DNA technology: Production of recombinant proteins of pharmaceutical importance- insulin, human growth hormone, recombinant vaccines (hepatitis B) etc. Genetically modified organisms (GMOs)
13	June 1, 2022	Assignment Submission.
14	June 2, 2022	Problems taken.


 Dr. Vivek Srivastava
 (Associate Professor)
 Head, Dept. of Biotechnology


 Dr. Asha
 (Assistant Professor)
 Subject Tutor

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Department of Biotechnology
LESSON PLAN (2021-2022)
Semester-II (B. Sc. II) year

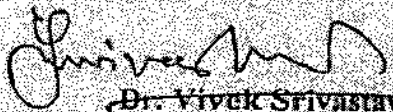
Submitted By: - Dr. Kanchan

Discipline Specific Elective Biotechnology Paper-I
General Microbiology
(BIT 201 L)

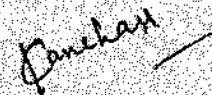
Max. Marks: 80
 Internal Assessment: 20

Sr. No.	Month	Topics
1.	April 5 2022 to April 9, 2022	Introduction, Importance and Scope of Microbiology: Definition and history of microbiology, contributions of Antony van Leeuwenhoek, Louis Pasteur, Robert Koch etc., Branches of microbiology,
2	April 10,2022	Sunday
3	April 11, 2022 to April 13,2022.	Microscope..Construction.. and working principles of different types of microscopes – compound, dark field, Phase contrast, Fluorescence and Electron (Scanning and.
4	April 14,2022	Vaishakhi
5	April 15,2022 to April 16,2022	Sterilization techniques: Principles and Applications of Physical Methods, Autoclave, Hot air oven, Laminar airflow, Seitz filter, Sintered glass filter, and membrane filter,
6	April 18,2022 to April 21,2022	Chemical Methods; Alcohol, Aldehydes, Phenols, Halogens and Gaseous agents, Radiation Methods: UV rays and Gamma rays, Staining techniques: Principles of staining, types of stains – simple stains, structural stains and Differential stains.
7	April 22,2022 to April 23,2022	Microbial Taxonomy: Concept of microbial species and strains, classification of bacteria based on – morphology (shape and flagella), cell wall, nutrition, extreme environment and 16S rRNA techniques. Viruses and Bacteria: Bacteria – Ultrastructure of

		bacteria cell (both Gram positive and Gram negative) including endospore and capsule.
8	April 24, 2022	Sunday
9	April 25, 2022 to April 28, 2022	Viruses – Structure and classification (A brief account), Plant viruses – CaMV, Animal viruses – FMDV, Bacterial Virus – Lambda Phage. Pathogenic Microorganisms: Bacterial diseases of man – tetanus, Tuberculosis, Pneumonia, Cholera and Typhoid. Viral diseases: AIDS (HIV), Ebola, Swine Flu, Hepatitis
10	April 29, 2022 to April 30, 2022	Microbial Growth and Metabolism: Kinetics of microbial growth, growth curve, synchronous growth, factors affecting bacterial growth. Methods to study growth. Respiration: Glycolysis, Kreb's cycle (TCA)
11	May 1, 2022	Sunday
12	May 2, 2022	Problems Taken and Assign the assignments.
13	May 3, 2022 to May 5, 2022	Oxidative Phosphorylation. Bacterial Photosynthesis: Photosynthetic apparatus in prokaryotes, Photophosphorylation & Dark reaction.



Dr. Vivek Srivastava
(Associate Professor)
Head, Dept. of Biotechnology



Dr. KANCHAN
(Assistant Professor)
Subject Tutor

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Dayanand College,
HISAR

DAYANAND COLLEGE, Hisar

Department of Biotechnology

Lesson Plan 2021-2022
Semester II nd (B. Sc. – 1st year)

Paper - BIT 202 L
Submitted By: - Dr. Kanchan

SUBJECT: Biochemistry II

Sr. No.	Date	Topics
1	May 6, 2022 to May 7, 2022	Enzymes: Introduction, active site, energy of activation, transition state hypothesis, lock and key hypothesis, induced fit hypothesis. Enzyme classification
2.	May 8, 2022	Sunday
3	May 9, 2022 to May 11, 2022	Enzyme Kinetics - Hyperbolic curve, K_m , V_{max} , MM equation, Lineweaver Burk plot/Double reciprocal plot. Effect of pH and temperature on enzyme activity. Enzyme Inhibition - Competitive, non-competitive and uncompetitive inhibition.
5	May 12, 2022 to May 14, 2022	Vitamins: Introduction, Types of vitamins - structure of water soluble vitamins and their coenzyme derivatives, Fat soluble vitamins. Deficiency symptoms and dietary sources.
6	May 15, 2022	Sunday
7	May 16, 2022 to May 18, 2022	Hormones: Steroid Hormones: structure and importance.
8	May 19, 2022	Assignment Submission
9	May 20, 2022 to May 21, 2022	Metabolism: General introduction, catabolism and anabolism, Bioenergetics, Carbohydrates metabolism: Glycolysis, Tricarboxylic acid cycle,
10	May 22, 2022	Sunday
11	May 23, 2022 to May 25, 2022	Lipid Metabolism: β -oxidation of saturated fatty acids: Gluconeogenesis Glycogenolysis,

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12	May 26,2022 to May 28,2022	glycogen synthesis and their regulation
13	May 29,2022	Doubts Clarity
14	May 30,2022 to May 31,2022	Peptide Hormones: structure and function of important peptide hormones. Degradation of Triacylglycerols. Synthesis of Fatty acids Amino acid Metabolism: Transamination, oxidative deamination and decarboxylation reactions in context of amino acid degradation.
15	June 1,2022	Revision
16	June 2,2022	Doubt Classes

Dr. Vivek Srivastava
 (Associate Professor)
 Head, Dept. of Biotechnology

Kanchan
 Dr. Kanchan Kamra
 (Assistant Professor)
 Subject Tutor


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Department of Biotechnology
LESSON PLAN (2021-2022)
Semester- IV (B. Sc. -II)
BIT 401L: Immunology

Sr. No.	Month	Topics
1.	April 5,2022 to April 9,2022	Immunology: Introduction, History and Scope. Terminology of immune system Immunity: Cells and Organs of the Immune. System Haematopoiesis, B and T cells (types and receptors), Null cells, Monocytes, Polymorphs, Primary and Secondary Lymphoid organs- Thymus, Spleen, Lymph nodes, MALT, GALT, BALT.
2	April 10,2022	Sunday
3	April 11,2022 to April 13,2022	Innate and Adaptive Immunity: Definition, types of Immunity- Innate, Adaptive/acquired (active, passive, natural/artificial, Humoral and Cell mediated immunity)
4	April 14,2022	Vaishakhi
5	April 15,2022 to April 16,2022	Features of Immune Response – memory, cell specificity/diversity, recognition of self and non-self
7	April 17,2022	Sunday
8	April 18,2022 to April 21,2022	Antigens: Concept, Types of Antigens, Antigenic determinants/epitopes, Hapten. Antigen and Immunogen. Antigenicity and Immunogenicity. Factors affecting antigenicity, Adjuvants, Antibodies: Structure, Types/Classes, properties and functions of immunoglobulins
9	April 22,2022 to April 23,2022	Antigen –Antibody Interactions: Binding sites, Binding forces, Affinity, Avidity, Cross reactions. Precipitation and Agglutination

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		reactions, RIA, ELISA, Immunofluorescence
10	April 24, 2022	Sunday
11	April 25, 2022 to April 28, 2022	Flow cytometry and Fluorescence activated cell sorter (FACS), Complement system: Structure, components, properties and functions. MHC and Antigen processing and presentation Structure and function of Major Histocompatibility Complex - Class I and Class II MHC molecules, Endocytic pathway and Cytosolic pathway of Antigen processing and presentation
12	April 29, 2022 to April 30, 2022	Immune Response: Introduction, Humoral Immunity and Cell mediated immunity- Primary and Secondary immune response. Hypersensitivity, Types of hypersensitivity
13	May 1, 2022	Sunday
14	May 2, 2022	Assessment Test.
15	May 3, 2022 to May 5, 2022	Autoimmunity, autoimmune disease Immunological tolerance. Vaccines: concept, types of vaccines Inactivated, Attenuated and Recombinant vaccines (Peptide and DNA vaccines)


 Dr. Vivek Srivastava
 (Associate Professor)
 Head, Dept. of Biotechnology


 Dr. Asha
 (Assistant Professor)
 Subject Tutor

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DAYANAND COLLEGE, HISAR
Department of Biotechnology
LESSON PLAN (2021-2022)
Semester- VI (B. Sc. -III)
Submitted By: Dr. Raj Rani

Skill enhancement course Biotechnology Paper-I
Molecular Diagnostic
(BIT 604 L)

Sr. No.	Month	Topics
1.	16 January 2023	Course outcomes discussion.
2	17 January 2023 to 21 January 2023	Enzyme Immunoassays: Comparison of enzymes available for enzyme immunoassays, conjugation of enzymes.
3	22, January 2023	Sunday
4	23, January 2023 to 25 January 2023	Solid phases used in enzyme immunoassays. Homogeneous and heterogeneous enzyme immunoassays.
5	26, January 2023	Sunday
6	27, January 2023 to 28 January 2023	Enzyme immunoassays after immuno blotting. Enzyme immunohistochemical techniques Use of polyclonal or monoclonal antibodies in enzymes immuno assays.
7	29, January 2023	Sunday
8	30, January 2023 to 4 February 2023	Applications of enzyme immunoassays in diagnostic microbiology Molecular methods in clinical microbiology: Applications of PCR, RFLP, Nuclear hybridization methods

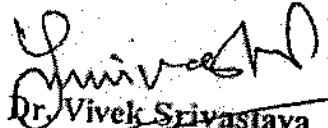
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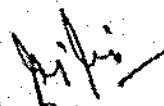
9	5 February 2023	Sunday.
10	6 February 2023 to 11 February, 2023	Automation in microbial diagnosis, rapid diagnostic approach including technical purification and standardization of antigen and specific antibodies. Concepts and methods in idiotypes.
11	12 February 2023	Sunday
12	13 February 2023 to 18 February, 2023	Single nucleotide and plasmid finger printing in clinical microbiology: Susceptibility tests:
13	19 February 2023	Sunday
14	20 February 2023 to 25 February, 2023	Micro-dilution and macro-dilution broth procedures. Susceptibility tests: Diffusion test procedures.
15	26, February 2023	Sunday
16	27, February, 2022	Assignment submission.
17	28 February, 2023 to 4 March 2023	Susceptibility tests: Tests for bactericidal activity. Automated procedures for antimicrobial susceptibility tests
18	5 March, 2023 to 12, March 2023	Holi vacations.
19	13, March 2023	Assessment test.
20	March 14, 2023 to March 18, 2023	Antidiotypes and molecular mimicry and receptors.
21	March 19, 2023	Sunday
22	March 20, 2023 to March 25, 2023	Epitope design and applications. Immunodiagnostic tests.
23	March 26, 2023	Sunday

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24	March 27,2023 to March 31,2023	Immuno florescence. Radioimmunoassay GLC, IIPLC.
25	April 1,2023	Class test
26	April 2,2023	Sunday
27	April 3,2023to April 8,2023	Laboratory tests in chemotherapy.
28	April 9,2023	Sunday
29	April 10,2023to April 15,2023	Electron microscopy, flow cytometry and cell sorting
30	April 16,2023	Revision and presentation.
31	April 17,2023to April 22,2023	Problems taken.
32	April 23,2023	Sunday
33	April 24,2023 to April 29,2023	Revision and presentation.
34	April 30,2023	Sunday
35	May1,2023 to May6,2023	Revision and test.
36.	May 7,2023	Sunday.
37	May 8,2023 to May12,2023	Revision and test.


Dr. Vivek Srivastava
 (Associate Professor)
 Head, Department of Biotechnology


Dr. RAJ RANI
 (Assistant Professor)
 Subject Tutor

Principal
 Dayanand College,
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M.A. (FINAL) ENGLISH

FOURTH SEMESTER

LESSON PLAN

COURSE-XVI: Critical Theory (PART-II)

Max. Marks: 100

End Semester Exam: 80

Internal Assessment: 20

Time: 3 Hours

Course Content:

Month: April 2022

Unit-I

William Wordsworth: Preface to Lyrical Ballads

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"

Month: 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")

Unit-IV

(i) Saussure: "The Object of Study"

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

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

Month: June 2022

Revision

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Department of English
2022

LESSON PLAN – M.A. (FINAL) ENGLISH

FOURTH SEMESTER

Max. Marks: 100

COURSE-XVII: American Literature (Part-II)

End Semester Exam: 80

Internal Assessment: 20

Time: 3 Hours

Course Content:

Month: April 2022

Unit-1

Robert Frost:

"Provide Provide", "Mending Wall", "The Road Not Taken", "Two Tramps in Mud Time",
"Stopping By Woods on a Snowy Evening", "Birches", "The Onset", "After Apple Picking"

Unit-II

Ernest Hemingway: The Sun Also Rises

Month: May 2022

Unit-III

Eugene O'Neill: The Hairy Ape

Unit-IV

Tennessee Williams: A Streetcar Named Desire

Month: June 2022

Revision

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Date

LESSON PLAN - M.A. (FINAL) ENGLISH

FOURTH SEMESTER

COURSE-XVIII: Indian Writing in English (Part-II)

Max. Marks: 100

End Semester Exam: 80

Internal Assessment: 20

Time: 3 Hours

Course Content:

Month: April 2022

Unit-I

Khushwant Singh: Train to Pakistan

Unit-II

Anita Desai: Voices in the City

Month: May 2022

Unit-III

Vijay Tendulkar: Silence! The Court is in Session

Unit-IV

S. Radhakrishnan: The Hindu View of Life

Month: June 2022

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LESSON PLAN - M.A. (FINAL) ENGLISH

FOURTH SEMESTER

Max. Marks: 100

COURSE-XIX (Option ii): English Language (Part-II)

End Semester Exam: 80

Internal Assessment: 20

Time: 3 Hours

Course Content:

Month: April 2022

Unit-1 Study of Clauses: Nature and composition of Clauses vis-à-vis Phrases and compound sentences, subordinate and coordinate clauses and their formation by subordinate and coordinating conjunctions, composition, uses and function of Relative clauses, Noun clauses and Adverbial clauses.

Unit-1 (a) Figures of Speech: Simile, Metaphor, Symbolism, Foregrounding, Style as Deviance, Personification, Alliteration, Metre, Imagery, Parallelism.

(b) Critical Appreciation :(i) Critical analysis of a short poem(ii) Critical analysis of a prose text.

Month: May 2022

Unit-III

ELT in India: A brief history, Role of English, Nature and approaches of Methods Problems and Perspectives.

Unit-IV

Methods and Materials: Grammar-Translation Method, Direct Method, Audio-Lingual Method, Communicative Language Teaching, Devising Pedagogic exercises according to the principles of a method.

Month: June 2022

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Date: _____

LESSON PLAN M.A. (FINAL) ENGLISH

FOURTH SEMESTER

COURSE-XX: (Option-i) Literature and Gender (Part-II)

Max. Marks: 100

End Semester Exam: 80

Internal Assessment: 20 Time: 3 Hours Course Content:

Month: April 2022

Unit-I

Simone de Beauvoir: The Second Sex (Only the following sections are prescribed:

"Introduction", "Book One", "Part-VII of Book Two")

Unit-II

Toni Morrison: Beloved

Month: May 2022

Unit-III

Alice Walker: The Color Purple

Unit-IV

Shashi Deshpande: That Long Silence

Month: June 2022

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2022

Lesson Plan M.A. (PREVIOUS) ENGLISH
SECOND SEMESTER
COURSE-VI: LITERATURE IN ENGLISH: 1550-1660 (Part-II)

Max. Marks: 100

End Semester Exam: 80

Internal Assessment: 20

Time: 3 Hours

Month: April 2022

Unit-I:

William Shakespeare: Hamlet

Unit-II John Donne: The following poems from The Metaphysical Poets ed.

Helen Gardner (Penguin) are prescribed:

"The Flea", "The Good Morrow", "Song: Go and Catch a

Falling Star", "The Sun Rising", "The Canonization", A

Valediction: Forbidding Mourning", "The Extasie", "Batter My

Heart: Three Person' d God", "Love's Growth", "Since she whome

I lov'd, hath payd her last debt".

Month: May 2022

Unit-III:

John Webster The Duchess of Malfi

Unit-IV

Francis Bacon: "Of Unity in Religion", "Of Simulation and

Dissimulation", "Of Friendship", "Of Ambition",

"Of Great Place", "Of Studies", "Of Truth",

"Of Nature in Men", "Of Love", "Of

Parents and Children".

Month: June 2022

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Lesson Plan - M.A. (PREVIOUS) ENGLISH

SECOND SEMESTER

COURSE-VII: LITERATURE IN ENGLISH: 1660-1798 (Part-II)

Max. Marks: 100

End Semester Exam: 80

Internal Assessment: 20 Time: 3 Hours Course Content:

Month: April 2022

Unit-I

Daniel Defoe: Robinson Crusoe.

Unit-II:

Henry Fielding: Tom Jones

Month: May 2022

Unit-III:

(i) Joseph Addison: "The Aims of the Spectator", "Paradise Lost", "Sir Roger at the Assizes"

(ii) Richard Steele: "The Spectator's Club", "Duelling" Unit-IV:

Samuel Johnson: "The Vanity of Human Wishes", "London"

Month: June 2022

Revision

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M.A. (PREVIOUS) ENGLISH
SECOND SEMESTER
Lesson Plan

COURSE-VIII: LITERATURE IN ENGLISH: 1798-1914 (Part-II)

End Semester Exam: 80

Internal Assessment: 20 Time: 3 Hours Course Content:

Month: April 2022

**Unit-I Robert Browning : "Evelyn Hope", "Love Among the Ruins",
"My Last Duchess", "The Last Ride Together",
"A Grammarian's Funeral", "Porphyria's Lover",
"Rabbi Ben Ezra", "Meeting at Night", "The Lost
Mistress"**

Unit-II:

Thomas Hardy Tess of d'Urbervilles.

Month: May 2022

Unit-III:

Bernard Shaw: Arms and the Man.

Unit-IV

Gustav Flaubert: Madame Bovary.

Month: June 2022

Revision

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**- M.A. (PREVIOUS) ENGLISH
SECOND SEMESTER**

Max. Marks: 100

Lesson Plan

COURSE-IX: LITERATURE IN ENGLISH: 1914-2000 (PART-II)

Max. Marks: 100

End Semester Exam: 80

Internal Assessment: 20 Time: 3 Hours Course Content:

Month: April 2022

Unit-I: Nissim Ezekiel : "Night of the Scorpion", "Goodbye Party for Miss Pushpa IS", "The Patriot", "The Visitor", "Poet, Lover, Birdwatcher", "Enterprise", "Philosophy", "Background, Casually", "Poem of Separation".

Unit-II:

R.K. Narayan: The Guide

Month: May 2022

Unit-III:

Arthur Miller: Death of a Salesman

Unit-IV:

Albert Camus: The Outsider

Month: June 2022

Revision

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Date: 11/11/22
11/11/22

**M.A. (PREVIOUS) ENGLISH
SECOND SEMESTER**

Lesson Plan

COURSE X: STUDY OF A GENRE (OPTION-I) FICTION (PART-II)

End Semester Exam: 80

Internal Assessment: 20

Time: 3 Hours Course Content: Month: April 2022 Unit-I:

Joseph Conrad: Heart of Darkness

Unit-II:

D. H. Lawrence: Sons and Lovers

Month: May 2022

Unit-III:

Raja Rao: Kanthapura

Unit-IV:

V.S. Naipaul: A House for Mr. Biswas

Month: June 2022

Revision

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*Prepared by
Day: 1/1/2022
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Lesson Plan - BAMC (ENGLISH)
Semester II
BAMC-109 LANGUAGE OF MEDIA-II (English)
SCHEME OF EXAMINATION

Theory Marks: 80

Internal Assessment: 20

Time: 3 Hrs

Course Content:

Month: April 2022

Unit I

Growth of English Language in India

Grammar- Noun, Adjective, Active and Passive voice

Punctuation marks, Plural forms, practice of Spellings, Practising Tenses

Unit II

Essentials of good writing, Effective News Writing-7C's, Telephonic Conversation

Writing invitations to functions; replies to invitations.

Month: May 2022

Unit III

Forms of writing: News

stories, letters, essays,

news, articles, features

book/film reviews

Unit-IV

Writing headlines: Language and grammar components

Report Writing, writing memos, travelogues

Writing for the Web Portal

Month: June 2022: Revision

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Lesson Plan - BCA (ENGLISH)

Semester II

COMMUNICATION SKILLS AND PERSONALITY DEVELOPMENT

SCHEME OF EXAMINATION

Maximum Marks: 100

Minimum Passing Marks: 40

External: 70

Internal: 30

Time: 3 Hours

Course Content:

Month: April 2022

UNIT-I

Personality: Definition, Elements, Determinants. Personal Grooming: Personal Hygiene, Social Effectiveness, Business Etiquettes (Power Dressing)

UNIT-II

Body Language: Non-Verbal Communication. Types of Body Language, Functions of Body Language Role of Body Language, Proxemics. Art of Good Communication: Verbal & Non Verbal Communication. Difference between Oral and Written Communication, 7' Cs of Effective Communication, Importance of Effective Communication.

Month: May 2022

UNIT-III

Team: Team Behaviour, Types of Teams, Team Roles & Behaviour. Group Discussion: Do's & Don't.

UNIT-IV

Interview Preparation: Introduction, Resume Writing, Dress Code, Mock- Interview, How to be successful in an Interview.

Month: June 2022

Revision

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Lesson Plan - B.Sc (ENGLISH)
LANGUAGE SKILLS COMPILSORY COURSE-II
Semester-II
SCHEME OF EXAMINATION

Max. Marks 100

End Semester Exam 80

Internal Assessment 20

Time 3 Hours

Course Content:

Month: April 2022

- Our Civilization + Translation from English to Hindi
- It's Question Time
- An Interview with Christiaan Barnard
- Untouchability and the Caste System + Precis Writing

Month: May 2022

- Inhumanisation of War
- Seven Types of Gender Inequality + Letter Writing

Month: June 2022

- Revision

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B. A. I (Hons.) English

Semester II

Paper III: ENGH 103: Literature in English (1660-1750)

Max. Marks: 100 marks

End Semester Exam: 80 marks

Internal Assessment: 20 marks Time: 3 hours Course Content:

Month: April 2022

Unit-I

John Dryden: MacFlecknoe

Unit-II

A. Pope: An Epistle to Dr Arbuthnot

Month: May 2022

Unit-III

Jonathan Swift: A Modest Proposal

Unit - IV

Literary Terms and Major Literary Movements of the period.

Month: June 2022

Revision

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Lesson Plan - B.A.1 (Hons.) English

Semester II

Paper-IV: ENGH 104: Literature in English (1660-1750)

SCHEME OF EXAMINATION

Max. Marks: 100

End Semester Exam: 80 marks

Internal Assessment: 20 marks

Time: 3 hours

Course Content:

Month: April 2022

Unit-I

Richard Sheridan: The School for Scandal

Unit-II

Joseph Addison: "The Aim of the Spectator"

"The Spectator's Account of Himself" "Character of Will Wimble" "Female Orators".

"Fans"

Month: May 2022

Unit-III

Richard Steele: "Of the Club"

"Sir Roger's Ancestors" "On the Shame and Fear of Poverty"

Unit - IV

Major Literary Works of the period by Major writers as discussed in History of English Literature by William J. Long.

Month: June 2022

Revision

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Lesson Plan - B. A. II(Hons.) English

Semester-IV

SCHEME OF EXAMINATION

Paper A: ENGH 204: Literature in English (1830-1900)

Max. Marks 100

End Semester Exam 80

Internal Assessment 20

Time 3 hours

Course Content:

Month: April 2022

Unit - I

Lord Tennyson:

"Break, Break, Break," "Ulysses," "The Lady of Shallot," "The Lotus- Eaters," "Tears, Idle Tears" (From Fifteen Poets)

Unit-II

Matthew Arnold "Dover Beach,"

"Memorial Verses,"

"Shakespeare," "To Marguerite,"

"Life and Thought" (From Fifteen Poets)

Month: May 2022

Unit-III

Robert Browning

"Porphyria's Lover," "My Last Duchess"

"Rabbi Ben Ems" (From Fifteen Poets)

Unit-IV

Major Literary Movements and Trade of the period.

Month: June 2022

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Date: 10/05/22

PAPER B ENGH 205: Literature in English (1830-1900)

Max. Marks 100

End Semester Exam 80

Internal Assessment 20

Time 3 hours

Course Content:

Month: April 2022

Unit-1

Charles Dickens: A Tale of Two Cities

Unit-II

Thomas Hardy: Jude the Obscure

Month: May 2022

Unit-III

Robert Browning

"Porphyria's Lover" "My Last Duchess"

"Rabbi Ben Ezra"

(From Fifteen Poets)

Unit-IV

Major literary Works and Writers of the period:

Robert Browning D.G. Rossetti

John Ruskin

Benjamin Disraeli

18. Mill The French Revolution by Thomas Carlyle

The Rubiyat of Omar Khayam

The Jungle Book Sherlock Holmes

Time Machine

Month: June 2022

Revision

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Lesson Plan – B. A. II(Hons.) English

Semester-IV

SCHEME OF EXAMINATION

PAPER-C ENGH 206: Grammar and Contemporary English Usage

Max. Marks 100

End Semester Exam 80

Internal Assessment 20 Time 3 hours Course Content:

Month: April 2022

Unit-1

Précis

Unit-II

Translation and Paragraph

Month: May 2022

Unit-III

Grammar:

(1) Phrasal verbs with be, do, make, come, bring, keep and let.

(a) Mood and modality.

(i) Conjunctions: Coordinating and subordinating.

(iv) Types of Sentences; Simple, Complex and Compound with particular reference to Noun, Relative, Conditional and Coordinate Clauses.

Voices and Narration

Month: June 2022

Revision

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B. A. III (Hons.) English

Semester-VI

SCHEME OF EXAMINATION: ENGH 304: Modern British Literature-II

Max. Marks 100

End Semester Exam 80

Internal Assessment 20

Time 3 hour

Course Content:

Month: April 2022 Unit

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1. T. S. Eliot: "The Love Song of J. Alfred Prufrock" "Portrait of a Lady" (From TS Eliot: Selected Poems, Faber)

Month: May 2022

Unit II

2. Aldous Huxley: Brave New World

Month: June 2022

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B.A. III (Hons.) English
Semester-VI
SCHEME OF EXAMINATION
: ENGH 305: Indian Writing in English-II

Max. Marks 100

End Semester Exam 80

Internal Assessment 20

Time 3 hours

Course Content: Month: April 2022 Unit I Kamala Das:

"The Sunshine Cat", "A Hot Noon in Malabar",

"The Freaks", "My Grandmother's House" (From R. Parthasarthy Ed. Ten Twentieth Century Indian Poets)

Month: May 2022

Unit II

R. K. Narayan: The Financial Expert

Month: June 2022

Revision

YR

Head

Department of English

Dr. ...

Lesson Plan B. A. III (Hons.) English

Semester VI

Scheme of Examination: ENGH 305: Modern World Literature-II

Max. Marks: 100

End Semester Exam: 80

Internal Assessment: 20

Time: 3 hours

Course Content:

Month: April 2022 Unit

I: Short Fiction:

a. Albert Camus: "The Guest"

b. Nikolai Gogol: "The Greatcoat"

Unit II: Short Fiction

c. Gabriel Garcia Marquez: "The Handsomest Man in the World: A Tale for Children"

d. Nadine Gordimer: "Once Upon a Time (All from Texts and their Worlds in Time)"

Month: May 2022

Unit III: Novel

Chinua Achebe: "Things Fall Apart (New Delhi: Allied)"

Month: June 2022

Revision

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Department of English

Lesson Plan - B.A. (FUNCTIONAL ENGLISH)

SEMESTER-II

SCHEME OF EXAMINATION

Max Marks 100

End Semester Exam 60

Practical 20

(Oral/Viva)

Internal Assessment 20

Time 3 Hours

Course Content:

Month: April 2022

1. Word-Accent
2. Accent and Rhythm in Connected Speech
3. Intonation: Tune I & II (with reference to short and simple sentences only)
4. Phonemic Transcription Simple Words in Common Use in IPA symbols (as used Oxford Advanced Learner's Dictionary)

Month: May 2022

1. Difficulties with Comparatives and Superlatives
2. Confusion of Participles Active and Passive Voice
3. The Prop. Word On
4. Prepositions
5. Redundant Pronouns and Preposition.
6. The Use of Correlatives.
7. Use of Who, Whom, Much, Many, Still & Yet, So That, So As, Make and Do.
8. Errors in the use of individual words, the courtesy words: Please & Thank you, Dates and Time, Greetings and Salutations. Intensive practice exercises in all the above topics.

Month: June 2022

Revision

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**Head
Department of English**

Lesson Plan - BA II (FUNCTIONAL ENGLISH)

Semester-IV

SCHEME OF EXAMINATION

Max Marks: 100 marks

End Semester Exam: 70 marks

Practical: 20 marks

**(Field Work & Practical
Training and Viva)**

Internal Assessment: 10 marks Time: 3 hours Course Contents:

Month: April 2022

Unit-1 Introducing Communication:

i) Nature and objectives of communication

**ii) Process of communication iii) Principles
of effective communication**

**iv) Barriers to communication: Wrong choice of medium, physical barriers, semantic barriers,
sociophysiological barriers**

Unit-II Non-verbal Communication:

i) Body language, appearance, voice, facial expression, posture and gestures ii)

Functions of non-verbal communication

**Unit-III Communication through mass media: Basic understanding of role of information
technology and media: Newspapers, radio, television, computers, internet and multimedia.**

Month: May-June 2022

Unit-IV English in Situations:

1. Greetings

2. Receiving and Seeing people off

3. Making complaints

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4. Making an appointment
5. Buying at shops 6. Placing orders
- 7 Offering apologies
8. Consulting a Doctor
9. Making enquiries
10. Conversation on telephone 11. Asking the time: Time expression
12. In the post-office
13. At the bank
14. At the customs
15. At the airport
16. At the travel agency
17. Booking a room in a hotel
- 18 Buying guidebook
19. At the temple
- 20 At the police Station
21. At a dinner party
22. Hiring a taxi
23. At the stock exchange
24. At the chemist
25. At the Restaurant
26. Description of events

(Students shall develop dialogue based paragraphs on the above mentioned situations)

Field Work & Practical Training

i) Visit to various places offering different situations and practicing conversation 1) Students should be asked to write dialogues relating to the situations in actual situations.

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Dr. ...

Lesson Plan - BA III (Functional English)

Semester-VI

Paper-VI

Theory Marks: 70

Practical/Oral Exam. /Viva: 20

Internal Assessment: 10

Time: 3 hours

Course Content:

Month: April 2022 Unit-1

independent reading of reports from business and finances Papers, reports on company performance, market surveys project Reports, reports of achievements in the world of business by Well-known business personalities, comparative progress of various Enterprises, etc.

Unit-II

Summarization of main ideas of business reports; using the vocabulary from business reports and consulting the Business English Dictionary.

Month: May 2022

Unit-III

Essay (dealing with current affairs/business world/descriptive).

Unit-IV

Précis Writing

Month: June 2022

Revision

4R

Head

Department of English

Principal
Dayanand College
Bhopal

Department of English

Lesson Plan - B.A. (ENGLISH General)

Semester-II

Max. Marks 100.

End Semester Exam 80

Internal Assessment 20

Time 3 Hours

Course Content:

Month: April 2022

1. Pigeons at Daybreak + Extended Grammar
2. With the Photographer + Extended Grammar
3. The Journey + Extended Grammar
4. The Refugee + Extended Grammar

Month: May 2022

5. Bellows for the Bullock: A Haryanvi folk Tale + Extended Grammar
6. Panchlight + Extended Grammar
7. The Child + Extended Grammar
8. The Blind Dog + Extended Grammar

Month: June 2022

9. Revision

42

Head
Department of English

Semester-IV

Max. Marks 100

End Semester Exam 80

Internal Assessment 20

Time 3 Hours

Course Content:

Month: April 2022

1. Spoken English + Extended Grammar
2. The Envoy + Extended Grammar
3. The Swan Song + Extended Grammar
4. The Monkey's Paw + Extended Grammar

Month: May 2022

5. Before Breakfast + Extended Grammar
6. The Sleepwalkers + Extended Grammar
7. Translation + Extended Grammar

Month: June 2022

8. Revision

YR

Head
Department of English

Lesson Plan - B.A. (ENGLISH General)

SCHEME OF EXAMINATION

Semester-VI

Max. Marks 100

End Semester Exam 80

Internal Assessment 20

Time 3 Hours

Course Content:

Month: April 2022

Introduction to syllabus

Types of Drama

Introduction to Play and the playwright

'The Merchant of Venice' Act 1 and 2 Complete

Developing Composition Skills

a) Reading and Comprehension

b) Precis Writing

Month: May 2022

'The Merchant of Venice' Act 3,4 and Act 5

c) Abstracting

d) Summarising

e) Paraphrasing

f) Correspondence

Month: June 2022: One-word Substitution, Revision.

YR

Head
Department of English

DAYANAND COLLEGE, HISAR
 Department of Biotechnology
 LESSON PLAN (2021- 2022)
 Semester- VI (B. Sc. -III)


Discipline Specific Elective Biotechnology Paper-V
 Bioinformatics (BIT 602 L)

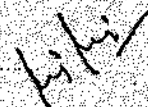
Submitted By: - Dr. Raj Rani

1	May 6,2022 to May 7,2022	Basics of computer and Bioinformatics: Fundamental aspects of computer and Internet in relation to bioinformatics.
2	May 8,2022	Sunday
3	May 9,2022 to May 11,2022	Database management systems (Object-oriented and relational), Introduction, History, goals and Scope, applications and limitations of Bioinformatics.
4	May 12,2022 to May 14,2022	Information Networks (EMB-NET, NIC-NET, INFLIBNET). Introduction to Genomics and genome projects – information flow in biology.
5	May 15,2022	Sunday.
6	May 16,2022 to May 18,2022	DNA sequence data, experimental approach to genome sequence data.
7	May 19,2022	Assignment Submission.
8	May 20,2022 to May 21,2022	Genome information resources. Functional Proteomics – protein sequence and structural data. protein information resources and secondary data bases. Computational Genomics - Internet basics.

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9	May 22, 2022	Sunday
10	May 23, 2022 to May 25, 2022	Biological data analysis and application, sequence data bases, NCBI model, File format. Protein primary sequence comparison, pair wise alignment and analysis, algorithm BLAST
11	May 26, 2022 to May 28, 2022.	Variants of BLAST, multiple sequence alignment. DATA base searching using BLAST and FASTA. Predictive methods using DNA and protein sequences protein prediction, motif, tertiary structure), Structural data bases.
2	May 30, 2022 to May 31, 2022	Protein data bank.
13	June 1, 2022	Assessment test.
14	June 2, 2022	Problems taken.


 Dr. Vivek Srivastava
 (Associate Professor)
 Head, Department of Biotechnology


 Dr. RAJ RANI
 (Assistant Professor)
 Subject Tutor

Principal
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DAYANAND COLLEGE, HISAR
Department of Biotechnology
LESSON PLAN (2021- 2022)
Semester- VI (B. Sc. -III)

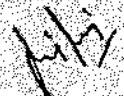
Discipline Specific Elective Biotechnology Paper-IV
Molecular Diagnostic
(BIT 604 L)
Submitted By: - Dr. Raj Rani

Sr. No.	Month	Topics
1.	April 5,2022 to April 7,2022	Enzyme Immunoassays: Comparison of enzymes available for enzyme immunoassays, conjugation of enzymes. Solid phases used in enzyme immunoassays. Homogeneous and heterogeneous enzyme immunoassays. Enzyme immunoassays after immuno blotting. Enzyme immunohistochemical techniques
2	April 11,2022 to April 13,2022	Use of polyclonal or monoclonal antibodies in enzymes immuno assays. Applications of enzyme immunoassays in diagnostic microbiology
3	April 18,2022 to April 20,2022	Molecular methods in clinical microbiology: Applications of PCR, RFLP, Nuclear hybridization methods, Single nucleotide and plasmid finger printing in clinical microbiology
4	April 25,2022 to April 27,2022	Laboratory tests in chemotherapy. Susceptibility tests: Micro-dilution and macro-dilution broth procedures. Susceptibility tests: Diffusion test procedures. Susceptibility tests: Tests for bactericidal activity. Automated procedures for antimicrobial susceptibility tests
5	May 2 ,2022 to May 4 ,2022	Automation in microbial diagnosis, rapid diagnostic approach including technical purification and standardization of antigen and specific antibodies. Concepts and methods in idiotypes.

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6	May 9, 2022 to May 11, 2022	Antiidiotypes and molecular mimicry and receptors. Epitope design and applications. Immunodiagnostic tests. Immuno florescence. Radioimmunoassay
7	May 16, 2022 to May 18, 2022	GLC, HPLC, Electron microscopy, flow cytometry and cell sorting.
8	May 23, 2022 to May 25, 2022	Assignment submission and revision test.


Dr. Vivek Srivastava
(Associate Professor)
Head, Department of Biotechnology


Dr. RAJ RANI
(Assistant Professor)
Subject

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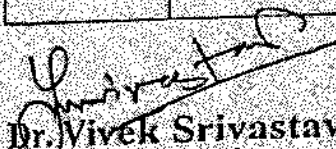
DAYANAND COLLEGE, HISAR
Department of Biotechnology
LESSON PLAN (2021-2022)
Semester- VI (B. Sc. -III)
Submitted By: - Dr. Raj Rani


Discipline Specific Elective Biotechnology Paper-IV
Animal Biotechnology
(BIT 601 L)

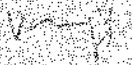
Sr. No.	Month	Topics
1	April 5,2022	Course outcomes discussion.
2	April 6,2022 to April 9,2022	Animal Cell & Tissue Culture: Introduction, Principles & practice. History and Development of animal cell culture. Scope and Applications. Culture Media: Media components, Serum containing and serum free media. Natural media- Plasma clot, biological fluids, tissue extracts. Growth factors required for proliferation of animal cells.
3	April 10,2022	Sunday
4	April 11,2022 to April 13,2022	Chemically defined media, balanced salt solutions. Physical requirements for growing animal cells in culture
5	April 14,2022	Vaishakhi
6	April 15,2022 to April 16,2022	Primary Cell Culture techniques: Initiation of cell culture-substrates (glass, plastic, metals) their preparation and sterilization.
7	April 17,2022	Sunday
8	April 18,2022 to April 21,2022	Isolation of tissue explants, disaggregation-enzyme disaggregation and mechanical disaggregation of the tissue. Development of primary culture and cell lines. Contamination in

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		animal cell cultures. Suspension culture, Growth curve of animal cells in culture. Secondary cell culture – transformed cell and continuous cell lines. Finite and infinite cell lines.
9	April 22, 2022 to April 23, 2022	Cell lines: Commonly used cell lines- their organization and characteristics. Organ Culture: technique, advantages, applications and limitations. Artificial skin.
10	April 24, 2022	Sunday
11	April 25, 2022 to April 28, 2022	Transfection of animal cells: transfection methods, Selection markers. Cloning and expression of foreign genes in animal cells. Expression vectors. Over production of recombinant proteins. Hybridoma Technology: Production of monoclonal antibodies and their applications.
12	April 29, 2022 to April 30, 2022	Embryo transfer technology- technique, its applications. Artificial insemination. Animal clones. Transgenic Animals: transgenic sheep, cow, pig, goat etc. Production of transgenic mice, Gene targeting in mice, applications of gene targeting.
13	May 1, 2022	Sunday
14	May 2, 2022	Assessment Test.
15	May 3, 2022 to May 5, 2022	Therapeutic products through genetic engineering – blood proteins, insulin, growth hormone etc. Gene Therapy: introduction, types of gene therapy, major achievements, problems and prospects. Stem cells in gene therapy.


Dr. Vivek Srivastava
 (Associate Professor)
 Head, Dept. of Biotechnology


Dr. RAJRANI
 (Assistant Professor)
 Subject Tutor


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Lesson plan for the Semester started w.e.f. 10.05.2021

Name of Institute : Dayanand College, Hisar
Name of the Teacher: Dr. Mahender Singh
Department : History
Section : B.A – VI Sem. (Section- D & H)

Month	Class	Topic/Chapter Covered	Test/Assignment
May	BA- VI Sem	Bridge Course American Revolution: Causes and Impact	
June	BA- VI Sem	American Revolution: Causes and Impact French Revolution: Nature and Impact with map Growth of Liberalism in England Rise of Imperialism: Causes and Consequences World War-I: Causes and Consequences with map	Assignment- I
July	BA- VI Sem	Paris Peace Settlement and its Consequences Rise of socialism and Bolshevik Revolution in Russia Rise of Dictatorship: Nazism and Fascism World War-II: Causes and Consequences with map	Internal Test
August	BA- VI Sem	Revision	Assignment- II


 Head of Department

Lesson plan for the Semester started w.e.f. 10.05.2021

Name of Institute : Dayanand College, Hisar
Name of the Teacher: Dr. Suruchi Sharma
Department : History
Section : B.A – VI Sem. (Section- A & B)

Month	Class	Topic/Chapter Covered	Test/Assignment
May	BA- VI Sem	Bridge Course American Revolution: Causes and Impact	
June	BA- VI Sem	American Revolution: Causes and Impact French Revolution: Nature and Impact with map Growth of Liberalism in England Rise of Imperialism: Causes and Consequences World War-I: Causes and Consequences with map	Assignment- I
July	BA- VI Sem	Paris Peace Settlement and its Consequences Rise of socialism and Bolshevik Revolution in Russia Rise of Dictatorship: Nazism and Fascism World War-II: Causes and Consequences with map	Internal Test
August	BA- VI Sem	Revision	Assignment- II


 Head of Department

Lesson plan for the Semester started w.e.f. 10.05.2021

Name of Institute : Dayanand College, Hisar
 Name of the Teacher: Mr. Mahender Singh
 Department : History
 Section : B.A – IV Sem (Section- D & H)

Month	Class	Topic/Chapter Covered	Test/Assignment
May	BA- IV Sem	Bridge Cours Origins of the National Consciousness	
June	BA- IV Sem	Founding of Indian National Congress and Moderates Extremists: Ideology, Programmes and Politics Home Rule Movement with map Role of Mahatma Gandhi in Freedom Movement: Non-Cooperation Movement, Civil Disobedience Movement and Quit India Movement with map Ideology and Contribution of Revolutionaries with special reference to Bhagat Singh with map	Assignment- I
July	BA- IV Sem	Subhash Chandra Bose and Indian National Army Political Reforms: Acts of 1909 and 1919 Rise of Communal Politics: Muslim League - Ideology and Politics Poona Pact and the Act of 1935 Partition and Independence of India	Internal Test
August	BA- IV Sem	Revision	Assignment- II


Head of Department

Lesson plan for the Semester started w.e.f. 10.05.2021

Name of Institute : Dayanand College, Hisar
Name of the Teacher: Mr. Mahender Singh
Department : History
Section : B.A – IV Sem (Section- B & G)

Month	Class	Topic/Chapter Covered	Test/Assignment
May	BA- IV Sem	Bridge Cours Origins of the National Consciousness	
June	BA- IV Sem	Founding of Indian National Congress and Moderates Extremists: Ideology, Programmes and Politics Home Rule Movement with map Role of Mahatma Gandhi in Freedom Movement: Non-Cooperation Movement, Civil Disobedience Movement and Quit India Movement with map Ideology and Contribution of Revolutionaries with special reference to Bhagat Singh with map	Assignment- I
July	BA- IV Sem	Subhash Chandra Bose and Indian National Army Political Reforms: Acts of 1909 and 1919 Rise of Communal Politics: Muslim League - Ideology and Politics Poona Pact and the Act of 1935 Partition and Independence of India	Internal Test
August	BA- IV Sem	Revision	Assignment- II


 Head of Department

Lesson plan for the Semester started w.e.f. 10.05.2021

Name of Institute : Dayanand College, Hisar
 Name of the Teacher: Dr. Suruchi Sharma
 Department : History
 Section : B.A – II Sem (Section- A & C)

Month	Class	Topic/Chapter Covered	Test/Assignment
May	BA- II Sem	Bridge Course Post-Gupta Period up to 750 A.D.: Pushyabhutis and Chalukyas with map	
June	BA- II Sem	Polity and Economy (750- 1206 A.D.), Tri-Parties Struggle Pratiharas, Palas and Rashtrakutas & Cholas; Indian form of Feudalism. Socio-Cultural Trends: Society, Culture and Literature during 600-1206 A.D. Turk's Invasions on India: Mahmud Ghaznavi and Muhammad Ghori	Assignment- I
July	BA- II Sem	Rise and Expansion of Delhi Sultanate: Iltutmish, Balban, Ala-ud-din Khilji and Muhammad Tughlaq with map Down Fall and Fragmentation of Delhi Sultanate Bahmani and Vijaynagar Kingdoms in South India with map Delhi Sultanate: Administration, Ruling Classes and Society Economic Developments during Delhi Sultanate with map Religion and Culture: Bhakti and Sufi Movements, Art and Architecture.	Internal Test
August	BA- II Sem	Revision	Assignment- II


Head of Department

Lesson plan for the Semester started w.e.f. 10.05.2021

Name of Institute : Dayanand College, Hisar
 Name of the Teacher: Mr. Mahender Singh
 Department : History
 Section : B.A – II Sem (Section- B,D & G)

Month	Class	Topic/Chapter Covered	Test/Assignment
May	BA- II Sem	Bridge Course Post-Gupta Period up to 750 A.D.: Pushyabhutis and Chalukyas with map	
June	BA- II Sem	Polity and Economy (750- 1206 A.D.), Tri-Parties Struggle Pratiharas, Palas and Rashtrakutas & Cholas; Indian form of Feudalism. Socio-Cultural Trends: Society, Culture and Literature during 600-1206 A.D. Turk's Invasions on India: Mahmud Ghaznavi and Muhammad Ghori	Assignment- I
July	BA- II Sem	Rise and Expansion of Delhi Sultanate: Iltutmish, Balban, Ala-ud-din Khilji and Muhammad Tughlaq with map Down Fall and Fragmentation of Delhi Sultanate Bahmani and Vijaynagar Kingdoms in South India with map Delhi Sultanate: Administration, Ruling Classes and Society Economic Developments during Delhi Sultanate with map Religion and Culture: Bhakti and Sufi Movements, Art and Architecture.	Internal Test
August	BA- II Sem	Revision	Assignment- II


Head of Department

**Lesson planning for the semester started
w.e.f. 16.03.2022**

Name of Institute : Dayanand College, Hisar
Name of The teacher : Dr. Pramod Kumar (Assistant Professor)
Department : Defence Studies
Class & Section : BA – II Sem. (H)

Month	Class	Topic/Chapter (Theory & Practical)	Test Assignment
March	BA - II Sem	Theory: Military Psychology: Development; Function and Problems, Significance; Fatigue: Causes and Remedy. Lab work: Bearing and Inter – Conversion of Bearing, in detail; Determination of Individual Compass Error (ICE); Service Protector: Its types and Uses.	
April	BA - II Sem	Theory: Motivation: Kinds, Motivation during War; Aptitude and Morale: Factors influencing Morale. Lab work: Short Presentation or Lecture, Topic is given by the Concerned Teacher; Finding Position on the Gridded Map by Intersection Method and Resection Method.	Assignment
May	BA- II Sem	Theory: Maintenance of Morale during War and Peace; Tools of Psychological Warfare; Military Leadership: Traits, Types and Qualities; Discipline and Man-Management. Lab work:; Relief Feature and their representation on the map; Gradient and Slope in Degrees; To determine Inter-Visibility between two points; Gradient method, Sum proportion method and Section drawing method; Enlargement and Reduction of Maps.	Test
June	BA- II Sem	Revision	Assignment


In-Charge

Dept of Defence Studies

Principal

Dayanand College
Hisar

**Lesson planning for the semester started
w.e.f. 16.03.2022**

Name of Institute : Dayanand College, Hisar
Name of The teacher : Dr. Pramod Kumar (Assistant Professor)
Department : Defence Studies
Class & Section : BA – IV Sem. (B)

Month	Class	Topic/Chapter (Theory)	Test Assignment
March	BA - IV Sem	India's Maritime Strategy and Naval Security India's Foreign Policy and India's Security	
April	BA - Iv Sem	India's Security Threats: Internal and External International Strategic Environment in Post Cold War Period; Terrorism and India's National Security	Assignment
May	BA- II Sem	National Security Council of India India's Strategic Relations With- Pakistan, China, Bangladesh, Sri Lanka, Nepal, Afghanistan, Myanmar, USA, Russia.	Test
June	BA- II Sem	Revision	Assignment


In-Charge

Dept of Defence Studies

V. Prasad
Principal
Dayanand College
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**Lesson planning for the semester started
w.e.f. 16.03.2022**

Name of Institute : Dayanand College, Hisar
Name of The teacher : Dr. Ravinder Kumar (Assistant Professor)
Department : Defence Studies
Class & Section : BA – IV Sem. (B)

Month	Class	Topic/Chapter (Practical)	Test/ Assignment
March	BA - IV Sem	Patrols - Types and Stages of Patrolling Battle Procedure, Military Appreciation of a situation in attack and Defence.	
April	BA - IV Sem	Platoon in attack - Types, principles of attack, stage of attack, Battle Craft for platoon in attack and platoon attack exercises; Platoon Defence Types, Principles of Defence, Defence operation.	Assignment
May	BA- IV Sem	Military Message writing; Ambush - Organisation of ambush party, Ambush operation; Lecture on any theory topics.	Test
June	BA- IV Sem	Revision	Assignment


In-Charge

Dept of Defence Studies

Principal
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Lesson planning for the semester started

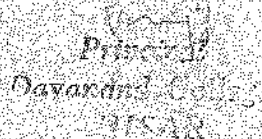
w.e.f. 16.03.2022

Name of Institute : Dayanand College, Hisar
Name of The teacher : Dr. Ravinder Kumar (Assistant Professor)
Department : Defence Studies
Class & Section : BA – VI Sem. (C)

Month	Class	Topic/Chapter (Theory & Practical)	Test/ Assignment
March	BA - VI Sem	Theory: Meaning, Nature and Scope of Military Geography. Elements of Military Geography. India and its Geo- strategic significance. Geographical divisions of India's borders. Lab Work: Indian Physical Map; Indian Political Map Indian Border Map; Indian Maritime Border Map	
April	BA - VI Sem	Theory: Geo-strategic importance of Indian Ocean Maritime interest of India in Indian Ocean. Geographical Information System (GIS): Introduction Definitions and significance. Global Positioning System (GPS) Introduction, Scope & Concept. Lab Work: Geographical Information System (GIS); Global Positioning System (GPS); Demarcation of Principal Point, Conjugate Principal Point and Flight line of aerial	Assignment
May	BA- VI Sem	Theory: Remote Sensing and National Security Disaster Management :- Concept & Significance (a) Natural Disaster (b) Man-made Disaster (c) National Disaster Management Policy of India Conflict Resolution and peace Building Measures. Lab Work: photograph; Interpretation & Application of Remote Sensing for Military uses.	Test
June	BA- VI Sem	Revision	Assignment


In-Charge

Dept of Defence Studies


Dayanand College,
Hisar

LESSION PLAN

Name of Assistant Prof. : Preeti

Class and Section : B.A. 3rd (6th Sem.)

Subject : Music Vocal (MUSV 303)

Lesson Plan : From April to June 2022

April 2022

- Introduction of Raga Miyan Ki malhar.
- Detailed Description of Raga Miyan ki Malhar with its Importance

May 2022

- Thekas of Teental with dugun, Tigan
- Thekas of Keharva with dugun, Tigan
- Historical Survey of Indian Music from 17th to 19th Century
- Class Test
- Voice-Culture
- Contribution of ustad Amir khan and pt. krishan rao shankae pt.in indian music

June 2022

- Elementary Knowledge of the folk music of Haryana & Punjab
- Class Test and Revision

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(2022)
Preeti
Dep. Prof. Music

LESSION PLAN

Name of Assistant Prof. : Preeti
 Class and Section : B.A Ist (2nd Sem.) C
 Subject : Music Vocal (MUSV103)
 Lesson Plan : From April to June 2022

April 2022
• Introduction of Raag Yaman with their Importance
• Detailed description of Raag yaman
• Thekas of Ektal with dugun
• Introduction of Raag Desh
• Detailed description of Raag Desh with its importance

May 2022
• Importance of tabla with its diagram
• Full Description of Tabla
• Thekas of Chautal, Roopak Tal with dugun and tigon
• Definition of Alankar, Verna, Sudh Raag, Parmel Parveshak Raga etc

June 2022
• Role of music in National integration
Class Test And Revision

(Signature)
 Incharge
 Dept. of Music

Principal
 Dayanand College
 HISAR

LESSON PLAN

Name of Assltt Prof : Preeti
Class and Section : B.A 2nd (4th Sem.) F
Subject : Music Vocal (MUSV 203)
Lesson Plan : From April to June 2022

April 2022
• Introduction of Raag Bhairav
• Detailed Description of Raag Bhairav with their importance
• Contribution towards music by the following :
• Pt Bhimshen Joshi, P.T. Jasraj
• History of Music in medieval period
• Comparative study of Uttari and Dakshni Sangeet Padhities in brief

May 2022
• Thekas of Tilwara taal with dugun, tlgun
• Detailed Study of Tarana and Bhajan
• Short notes of Gram-Murchhna, Thaata raag, Tanpura Etc.
• Detailed Study of Geet and Gazal
• Placement of Swaras on shruties by Pundrik Vitthal
• Placement of Swaras on shruties by Ramamatya

June 2022
Class Test and Revision

Principal
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(Signature)
Dept. of Music

LESSON PLAN

Name of the Assistant Prof. : Preeti

Class and Section : B.A (3rd Sem) C

Subject : Music Vocal (MUSV 101)


Lesson Plan : From August To Nov. 2019

Aug. 2019
Topic covered
<ul style="list-style-type: none"> • Introduction to music and importance in music of our life • Importance of swaras in music • Alankars in music and notation of national anthem • Notation of Raag Aasawari

Sept. 2019
<ul style="list-style-type: none"> • Detailed study of Raag Aasawari • Pattern of Teen-taal with Thekas • Definition of Dhawni, Nad, Vadi, Samvadi, Anuvadi and uses in music

Oct. 2019
<ul style="list-style-type: none"> • Parts of Tanpura • Detailed study of Tanpura with diagram (Assignment) • Definition of Matra, Vibhag, Khali etc.

Nov. 2019
<ul style="list-style-type: none"> • Notation of Raag Bhupali • Nation of Drut khayal in Raag Bhupali and Aasawari in Teen-taal • Test and Revision


 Incharge
 Dept. of Music

Dayanand Post Graduate College, Hisar

Department of Zoology

Lesson plan for session- 2021-22

Name of Teacher:

Dr. Umila

Designation:

Assistant Professor

Class:

B. Sc. I Medical and Biotechnology (IInd Semester)

Subject:

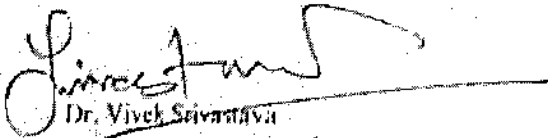
Zoology

Lesson Plan:

March 2022 to June 2022

Zoology 2011. (Comparative Anatomy and Developmental Biology of Vertebrates I)


Tentative Dates	Topics
02 March 2022 to 05 March 2022	General introduction of syllabus Integumentary System: Derivatives of integument w.r.t. glands and digital tips
06 March 2022	Sunday
07 March to 12 March 2022	Skeletal System: Evolution of visceral arches Digestive System: Brief account of alimentary canal
13-20 March 2022	Holi Holidays
21 March 2022 to 22 March 2022	Digestive System: Digestive glands
23 March 2022	Holiday
24-26 March 2022	Respiratory System: Brief account of gills, lungs, air sacs and swim bladder
27 March 2022	Sunday
28 March to 02 April 2022	Circulatory System: Evolution of heart and aortic arches Class Assignment
03 April 2022	Sunday
04 April to 09 April 2022	Urinogenital System: Succession of kidney, Evolution of Urinogenital ducts Class test
10 April 2022	Sunday
11 April 2022 To 13 April 2022	Nervous System: Comparative account of brain
14 April 2022	Holiday
15 April to 16 April 2022	Sense Organs: Types of receptors
17 April 2022	Sunday
18 April to 23 April 2022	Doubt class and Revision
24 April 2022	Sunday



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Prof. Incharge / In charge
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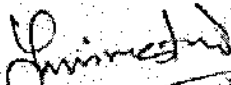


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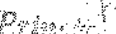

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Zoology 202L (Comparative Anatomy and Developmental Biology of

Tentative Dates	Topics
25-30 April 2022	Early Embryonic development: Gametogenesis: oogenesis w.r.t. mammals, Vitellogenesis in birds, F Amphibians), Internal (Mammals), Block to polyspermy Frog and Humans (structure of mature egg and its cleavage, fate map upto formation of gastrula)
01 May 2022	Sunday
02 May 2022	Early Embryonic development: Types of morphogenetic germ layers, Neurulation in frog embryo
03 May 2022	Holiday
04-07 May 2022	Late Embryonic development: Implantation of embryo of human placenta and functions Class Assignment
08 May 2022	Sunday
09-14 May 2022	Late Embryonic development: Other types of placental histology, Metamorphic events in frog life cycle and its histology Class test
15 May 2022	Sunday
16-21 May 2022	Control of Development: Fundamental processes in development: activation, Determination, Induction, Differentiation
22 May 2022	Sunday
23-28 May 2022	Control of Development: Morphogenesis, Intercellular movements and cell death
29 May 2022	Sunday
30-31 May 2022	Doubt class and Revision


 D. Vivek Srivastava
 Prof. Incharge
 Department of Zoology
 H.S.R. College, Hisar


 Gaur
 Teacher


 Dayanand
 H.S.R.

Dayanand Post Graduate College, Hisar

Department of Zoology

LESSON PLAN FOR SESSION- 2021-22

Name of Assistant Professor: Mr. Sachin
Class: B. Sc. II Medical and Biotechnology (4th Semester)
Subject: Zoology
Lesson Plan: June 2020 to July 2021

SKILL ENHANCEMENT COURSE : APICULTURE (ZOO 404 I)


Date	Topic
01 June - 05 June 2021	History & Taxonomy of Honey Bee Species & Description of Major Honey Bee in India
06 June 2021	Sunday
07 Jun 2021 - 12 Jun 2021	Biology of Honey Bee Castes & Life Cycle of Honey Bee
13 June 2021	Sunday
14 Jun 2021 - 19 Jun 2021	Communication & Social Organization Traditional & Modern Bee Hives in India
20 June 2021	Sunday
21 June to 23 June 2021	Bee Pasturages/Bee Flora
24 June 2021	Holiday
25 June - 26 June 2021	Bee Keeping Equipments Methodology of Honey Extraction
27 June 2021	Sunday
28 June 2021	Extraction of Bee Venom Harvesting of Royal Jelly
29 June - 03 July 2021	Disease & Enemies of Honey Bee

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04 July 2021	Products of Bee Industry
05 July - 06 July 2021	National & International Market of Honey
07 July - 08 July 2021	Economics of Apiculture
09 July - 10 July 2021	Management of Honey Bee Colonies Entrepreneurship in Apiculture

Assignment & Unit Tests - upto 10th March, 2022 and upto 10 April, 2022.


 Dr. Vivek Srivastava
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 Department of Zoology
 Dayanand College, Hisar


 Mr. Saehin
 Assistant Professor


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Department of Zoology

LESSON PLAN FOR SESSION- 2021-22

Name of Assistant Professor: Mr. Sachin & Dr. Anju
Class: B. Sc. II Medical and Biotechnology (4th Semester)
Subject: Zoology
Lesson Plan: March 2022 to May 2022

ZOOLOGY 401 L (GENETICS & EVOLUTIONARY BIOLOGY-I)


Date	Topic
02 March-05 March	Mendelian Inheritance
06 March	Sunday
07 March - 12 March	Genetics Variations
13 March - 20 March	Holiday
21 March - 22 March	Molecular Basis of Genetic Informations (DNA)
23 March	Holiday
24 March - 26 March	Multiple Allelism
27 March	Sunday
28 March-02 April	Modifications of Mendelian Ratios, Sex Linked Inheritance
03 April	Sunday
04 April - 09 April	Extra-chromosomal inheritance Linkage, Linkage Groups & Chromosomal Mapping
10 April	Sunday
11 April - 13 April	Crossing Over & Recombination
14 April	Holiday (Vaisakhi/ Dr. B.R. Ambedkar Jayanti)
15 April- 16 April	Somatic Cell Genetics Chromosomal Mutations (Abberations)
17 April	Sunday
18 April - 23 April	Gene Mutations Chromosomal Mechanism of Sex Determination
24 April	Sunday


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ZOOLOGY 402 L (GENETICS & EVOLUTIONARY BIOLOGY-II)

DATE	TOPIC
25 April - 30 April	Major Events in History of Life Origin of Prokaryotic & Eukaryotic Cells
01 May	Sunday
02 May	Lamarckism, Darwinism & Neo-Darwinism
03 May	Holiday
04 May - 07 May	Fossils & Geological Time Scale
08 May	Sunday
09 May - 14 May	Phylogeny of Horse
15 May	Sunday
16 May - 21 May	Organic Variations, Isolating Mechanism Natural Selection
22 May	Sunday
23 May - 28 May	Artificial Selection Biological Species Concept
29 May	Sunday
30 May - 31 May	Types of Evolution & Mass Extinction

Assignment & Unit Tests - upto 10th March, 2022 and upto 10 April, 2022.


 Dr. Anju
 Head of Department of Zoology
 Dayanand College, Bisar


 Mr. Sachin

Dr. Anju

Assistant Professor


 Principal
 Dayanand College
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Dayanand Post Graduate College, Hisar

Department of Zoology

LESSON PLAN FOR SESSION-2021-22

Name of Assistant Professor: Mr. Sachin
Class: B. Sc. II Medical and Biotechnology(4th Semester)
Subject: Zoology
Lesson Plan: March 2022 to May 2022

SKILL ENHANCEMENT COURSE : APICULTURE (ZOO 404 L)

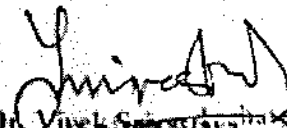
Date	Topic
02 March - 05 March	History & Taxonomy of Honey Bee
06 March	Sunday
07 March - 12 March	Species & Description of Major Honey Bee in India
13 March- 20 March	HOLI VACATIONS
21 March - 22 March	Biology of Honey Bee
23 March	Holiday
24 March - 26 March	Castes & Life Cycle of Honey Bee
27 March	Sunday
28 March - 02 April	Communication & Social Organization
03 April	Sunday
04 April - 09 April	Traditional & Modern Bee Hives in India
10 April	Sunday
11 April - 13 April	Bee Pasturages/Bee Flora
14 April	Holiday
15 April - 16 April	Bee Keeping Equipments Methodology of Honey Extraction
17 April	Sunday


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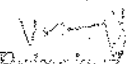
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18 April - 23 April	Extraction of Bee Venom Harvesting of Royal Jelly
24 April	Sunday
25 April - 30 April	Disease & Enemies of Honey Bee
01 May	Sunday
02 May	Products of Bee Industry
03 May	HOLIDAY
04 May - 07 May	National & International Market of Honey
08 May	Sunday
09 May - 14 May	Economics of Apiculture
15 May	Sunday
16 May - 21 May	Management of Honey Bee Colonies
22 May	Sunday
23 May - 28 May	Entrepreneurship in Apiculture
29 May	Sunday
30 May - 31 May	Revision

Assignment & Unit Tests - upto 10th March, 2022 and upto 10 April, 2022.


 Dr. Vipak Subastava
 Department of Zoology
 Dayanand College, Hisar


 Mr. Sachin
 Head of Department
 Assistant Professor


 Principal
 Dayanand College

Dayanand Post Graduate College, Hisar

Department of Zoology

LESSON PLAN FOR SESSION- 2021-22

Name of Assistant Professor: Dr. Anju
Class: B. Sc. II Medical (4th Sem.)
Subject: Zoology
Lesson Plan: March 2022 to May 2022

SKILL ENHANCEMENT COURSE : SERICULTURE (ZOO 407 L)

Date	Topic
02 March - 05 March	History of Sericulture Silk Route Facts about Silk & Its Trade
06 March	Sunday
07 March - 12 March	Types of Silk
13 March- 20 March	Holi Vacations
21 March - 22 March	Classification of Silkworm
23 March	Holiday
24 March - 26 March	Types of Silkworm on the basis of host tree
27 March	Sunday
28 March - 02 April	Biology of Silkworm Systematic Position of Silkworm
03 April	Sunday
04 April - 09 April	Life Cycle & Breeds of Silkworm
10 April	Sunday
11 April - 13 April	Pests of Sericulture
14 April	Holiday
15 April - 16 April	Pathogens of Silkworm
17 April	Sunday
18 April - 23 April	Disease Management in Sericulture
24 April	Sunday
25 April - 30 April	Mulberry Disease & Their Control Measures
01 May	Sunday

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02 May	Rearing of Silkworm Rearing Houses & Appliances
03 May	HOLIDAY
04 May - 07 May	Disinfectants & Disinfection Methods Rearing Technology
08 May	Sunday
09 May - 14 May	Mountages & Process of Making Cocoons Cocoon Harvesting
15 May	Sunday
16 May - 21 May	Silk Reeling Process Sericulture Entrepreneurship
22 May	Sunday
23 May - 28 May	Future Prospects & Scope of Sericulture Economics of Sericulture
29 May	Sunday
30 May - 31 May	Revision


Assignment & Unit Tests- upto 10th March, 2022 and upto 10 April, 2022.


Dr. Vivek Srivastava

Head of Department
Dayanand College, Hisar

Dr. Anju

Assistant Professor


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Department of Zoology

LESSON PLAN FOR SESSION, 2021-22

Name of Assistant Professor: Ms. Anju
Class: B. Sc. II Medical (3rd Sem.)
Subject: Zoology
Lesson Plan: March 2022 to May 2022


SKILL ENHANCEMENT COURSE: AQUARIUM FISH KEEPING (ZOO 405 I.)

Date	Topic
02 March - 05 March	Introduction to Aquarium Fish Keeping
06 March	Sunday
07 March - 12 March	The Potential Scope of Aquarium Fish Industry as a Cottage Industry
13 March - 20 March	Holi Vacations
21 March - 22 March	Varieties of Exotic Aquarium Fishes
23 March	Holiday
24 March - 26 March	Varieties of Endemic Aquarium Fishes
27 March	Sunday
28 March - 02 April	General Introduction of Biology of Aquarium Fishes
03 April	Sunday
04 April - 09 April	Common characters & Sexual Dimorphism of Fresh Water & Marine fishes- Guppy, Molly, Sword Tail
10 April	Sunday
11 April - 13 April	Common characters & Sexual Dimorphism of Fresh Water & Marine fishes- Gold Fish, angel Fish, Blue Morph
14 April	Holiday
15 April - 16 April	Common characters & Sexual Dimorphism of Fresh Water & Marine fishes- Anemone Fish, Butterfly Fish
17 April	Sunday
18 April - 23 April	Use of Live Fish Feed Organisms
24 April	Sunday
25 April - 30 April	Preparation & Composition of Formulated Fish Feed
01 May	Sunday



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02 May	Live fish Transport
03 May	HOLIDAY
04 May - 07 May	Fish Handling, Packing & Forwarding Techniques
08 May	Sunday
09 May - 14 May	Maintenance of Aquarium, Equipments, Water Analysis
15 May	Sunday
16 May - 21 May	Aquarium Fish Disease & Treatment
22 May	Sunday
23 May - 28 May	Budget for setting up an Aquarium Fish Farm as a Cottage Industry
29 May	Sunday
30 May - 31 May	Revision

Assignment & Unit Tests- upto 10th March, 2022 and upto 10 April, 2022.


 Dr. Vivek Srivastava
 Professor in Charge
 Head of Department of Zoology
 Dayanand College, Hisar

Ms. Anju
 Assistant Professor


 Anju
 Dayanand College
 Hisar

Lesson Plan for Even Semester (Mar.2022toJune2022)

Name of Teache : Dr. Meenakshi Gupta

Class: B.Sc. IIIrd Year, 6th Sem. Section: Medical(A1)

Subject: Zoology

Nomenclature & Paper Code: Insect, Vectors and Diseases I, ZOO 604L(PaperI)

Insect, Vectors and Diseases II, ZOO 605L(PaperII)

Tentative Dates	Topics
02Mar.to05Mar.2022	General Features of Insects Morphological features
06Mar.2022	Sunday
07Mar.to12Mar.2022	Head, Eyes, Types of antennae of insects, Classification of insects upto orders
13Mar.to20Mar.2022	Holi/Holidays
21Mar.to22Mar.2022	Detailed features of orders within insects as vectors: Diptera, Siphonaptera, Siphunculata, Hemiptera
23Mar.2022	Holiday
24Mar.to26Mar.2022	Brief introduction of Carrier and vectors (mechanical and biological vector), Reservoirs, Host-vector relationship Unit Test I, Assignment I
27Mar.2022	Sunday
28Mar.to02Apr.2022	Mouthparts w.r.t. feeding habits of insects
03Apr.2022	Sunday
04Apr.to09Apr.2022	Vectorial capacity, Adaptations as vectors, Host Specificity Study of mosquito-borne diseases - Malaria, Professor Dengue, Chikungunya, Control of mosquito department of Zoology

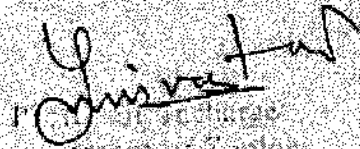
Meenakshi Gupta
In-charge
Department of Zoology
Dayanand College, Hisar

10Apr.2022	Sunday
11Apr.2022To13Apr.2022	Dipterans as important insect vectors-Mosquitoes, Sandfly, Houseflies
14Apr. 2022	Holiday
15Apr.to16Apr.2022	Viral encephalitis, Filariasis
17Apr. 2022	Sunday
18Apr.to23Apr.2022	Study of sand fly borne diseases, Visceral Leishmaniasis, Cutaneous leishmaniasis, Phlebotomus fever, Control of Sandfly.
24Apr. 2022	Sunday
25Apr.to30Apr.2022	Study of housefly as important mechanical vector, Myiasis, Control of housefly .Doubt session


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 V. S. P.
 Principal
 Dayanand College
 H. S. R.

Tentative Dates	Topics
01 May 2022	Sunday
02 May 2022	Unit Test II, Assignment II
03 May 2022	Holiday
04 May to 07 May 2022	Fleas as important insect vectors; Host-specificity, Study of Flea-borne diseases-Plague, Typhus fever; Control of fleas
08 May 2022	Sunday
09 May to 14 May 2022	Human louse (Head, Body and Pubic louse) as important insect vectors Doubt session and Class Test
15 May 2022	Sunday
16 May to 21 May 2022	Study of louse-borne diseases, Typhus fever, Relapsing fever, Trench fever, Vagabond's disease, Phthiriasis; Control of human louse Doubt session and practice of diagrams
22 May 2022	Sunday
23 May to 28 May 2022	Bugs as insect vectors; Blood-sucking bugs, Chagas disease, Bed bugs as mechanical vectors, Control and prevention measures
29 May 2022	Sunday
30 May to 31 May 2022	Doubt session and Class Test


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LESSON PLAN FOR SESSION 2021-2022 (B.COM – EVEN Semester)

FINANCIAL ACCOUNTING BCOM 201

MONTH	TOPICS
APRIL 2022	<p>Joint Venture Accounts: Meaning and features, Joint Venture and Consignment. Accounting procedure for joint venture.</p> <p>Partnership Accounts: Features of partnership, partnership deed, fixed v/s fluctuating capital accounts, Methods of valuation of goodwill of a partnership firm, Admission, retirement and death of a partner, Dissolution of Partnership firm- Insolvency of partners (including Garner v/s Murrey Rule)</p> <p>Royalty Accounts: Meaning of royalty, lessor, lessee, minimum rent, short working, re-couplement of short workings, Journal entries and ledger accounts in the books of lessee (including minimum rent account) Sub Lease -- meaning.</p>
MAY	<p>Branch Accounts: Types of home branches- Dependent branch; Accounting procedure for dependent branches, Independent branch; Foreign Branch: Meaning, conversion of branch trial balance, Hire-purchase and instalment payment system: Characteristics of hire-purchase system, accounting treatment regarding hire-purchase, accounting treatment in case return of goods due to non-payment of instalments, Difference between hire purchase system and credit sale, Instalment payment system: Meaning and characteristics, difference between hire purchase system and instalment payment system, Accounting treatment of Instalment payment system. ASSIGNMENTS AND UNIT TEST</p>
JUNE	<p>Consignment Accounts: Features, need and importance of consignment, Difference between consignment and sale, Accounting procedure, Valuation of unsold stock.</p>

Subject Teacher :

Ms. Dimpal, Usha, Jyoti

Incharge :

Dr. Renu Rathee



BUSINESS COMMUNICATION BCOM 203

MONTH	TOPICS
APRIL 2022	<p>Introduction to business communication, nature, process and forms of business communication, different models of communication, role communication skills in business, tips for effective communication, Communication network- formal and informal communication, difference between formal and informal communication, Grapevine communication, of corporate communication.</p>

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	Barriers to communication and its types, how to remove barriers to communication. Communication Skills: listening skills-cognitive process of listening, types of listening, poor listening habits, factors which influence listening, principles of effective listening, Barriers to listening.
MAY	Speaking skills-steps of effective speaking skills, Public speaking -basic principles of successful presentation, ways of delivering the messages, Audience analysis, use of voice in public speaking, factors influencing voice, Body language and para language-significance and its functions. ASSIGNMENTS AND UNIT TEST Written Communication - Advantages and principles of effective written communication, Business Letters- Planning a business letters, physical appearance and format of letters, Structure and layout of business letters, types of letters: sales letter, order letter; supply letters and claim letters, Employment letters -Characteristics and its types, Content of employment letter.
JUNE	Writing memos- format & types of memorandum, Writing notices and circulars, Business reports and meetings.

Subject Teacher:

Ms. Suman, Sunita, Tamanna

Incharge:

Dr. Renu Rathee

MARKETING MANAGEMENT BCOM 204

MONTH	TOPICS
APRIL 2022	Introduction to Marketing: difference between marketing and selling; core concepts of marketing; marketing mix; marketing process; marketing environment. Determinants of consumer behaviour; consumer's purchase decision process (exclude industrial purchase decision process). Market segmentation, targeting, and positioning, Marketing research and marketing information system.
MAY	Product decisions: New Product Development; product line decisions Product Life Cycle; Branding decisions; packaging and labeling decisions. Pricing decisions; Marketing channels: Retailing, wholesaling, warehousing and physical distribution; ASSIGNMENTS AND UNIT TEST
JUNE	conceptual introduction to supply chain management. conceptual introduction to customer relationship marketing, Promotion mix, personal selling, advertising, sales promotion, public relations, direct marketing.

Subject Teacher :

Ms. Soniya, Niharika, Tamanna, Mr. Deepak

Incharge :

Dr. Renu Rathee

Date:

ORGANISATIONAL BEHAVIOUR BCOM 205

MONTH	TOPICS
APRIL 2022	Organisational Behaviour: concepts, determinants, challenges and opportunities of OB. Contributing disciplines of OB. Organizational Behaviour Models. Individual Behaviour: Nature of People. Factors affecting Individual behaviour; Personality: Determinants, Traits and Theories of personality. Learning: Characteristics and theories of learning. Perception: Perceptual Process, Factors Affecting Perception, Theories of Perception and Perceptual Errors. Attitudes: Definition, Theories of Attitude Formation.
MAY	Interpersonal Behaviour: Transactional Analysis; Group Behavior: Definition, Types of groups, Group Formation and Group Development Process, Group Decision Making, Group Dynamics: Meaning and Concept, Group Roles, Group Norms, Group Cohesiveness and its relation to productivity. Organizational Behaviour in changing Environment; Organizational Change, Organizational Conflict. ASSIGNMENTS AND UNIT TEST
JUNE	Organizational Development, Organizational Culture and Climate, Managing Employee Stress, Managing Emotions in Organizations: Emotional Intelligence.

Subject Teacher :

Ms. Kavita

Incharge :

Dr. Renu Rathee

BUSINESS ENVIRONMENT BCOM 206

MONTH	TOPICS
APRIL 2022	Business Environment – Meaning, Nature and Significance. A brief overview of business environments and their impact on business and strategic decisions – political environment, sociocultural environment, legal environment, economic environment, political environment, global environment. Globalized Business Environment: Meaning and rationale for Globalization; Composition and Direction of Foreign Direct Investments; Privatization in India; Public sector enterprises; Micro, Small and Medium Enterprises- growth, significance, problems and remedial.
MAY	WTO and the trading blocks; Opportunities and challenges for MNCs in India; Indian Foreign Trade and its Impact on Balance of Payment. Concepts of Economic systems; Economic Reforms; Recent Monetary and Fiscal Policy and their impact on Business Environment; Social Responsibilities of Business; Social Responsibility Models; The Evolving Idea of Social Responsibility in Indian Scenario; ASSIGNMENTS AND UNIT TEST
JUNE	Social Audit– Nature, Evolution and Benefits; Ethics and Business Environment, Corporate Governance-factors influencing corporate governance, Regulatory

	framework.
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Subject Teacher :

Ms. Kamal, Niharika

Incharge :

Dr. Renu Rathee



CORPORATE ACCOUNTING-II (BC-401)

MONTH	TOPICS
APRIL 2022	Valuation of goodwill: valuation of shares: concepts and calculation - simple problem only. Accounts of holding companies: preparation of consolidated balance sheet with onesubsidiary company. relevant provisions of Accounting Standard 21.
MAY	Accounts of banking organizations. Accounts of insurance companies. ASSIGNMENTS AND UNIT TEST
JUNE	Liquidation of companies.

Subject Teacher :

Ms. Sonia . Shalu

Incharge:

Dr. Renu Rathee



BUSINESS STATISTICS-I (BC-402)

MONTH	TOPICS
APRIL 2022	Simple Correlation: concept, types: multiple and partial; linear and non-linear. Scatter diagram, Methods: Karl Pearson's co-efficient of correlation. Spearman's Rank Correlation, Concurrent deviation method; Probable and standard errors. Regression Analysis: meaning, difference between correlation and regression, regression coefficients, methods of calculation of simple regression, standard error of estimate.
MAY	Probability; concept and approaches, addition and multiplication laws of probability; Conditional probability: Bayes' Theorem. Probability distributions: concept, Binomial, Poisson ASSIGNMENTS AND UNIT TEST

Date: _____

JUNE	Normal distributions: their properties and parameters. Revision and Discussion
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Subject Teacher :

Ms. Sarita, Dr. Niharika, Mr. Rajesh

Incharge:

Dr. Renu Rathee



Business Law (BC 403)

MONTH	TOPICS
APRIL 2022	Negotiable Act 1881: scope, features and types: Negotiation; Crossing; Dishonor and discharge of negotiable instruments. Indian Partnership Act, 1932: nature of firm, duties and rights of partners, relations of partners to third parties, liabilities of firm and partner, minor, reconstitution of partnership firm, dissolution of a firm and consequences, settlement of accounts, registration of firms, effect of non-registration.
MAY	Limited Liability Partnership Act, 2008: meaning, characteristics of Limited Liability Partnership (LLP); Incorporation of LLP; partners and the liability of LLP and partners; accounts, audit and taxation of LLPs, conversion to LLP from firm/private company/unlisted public company; winding up and dissolution of LLP. Information Technology Act 2000: purpose, digital signature, electronic governance: attribution, acknowledgement and dispatch of electronic records, certifying digital signature, penalties and other provisions.
JUNE	ASSIGNMENTS AND UNIT TEST RTI Act, 2005: important provisions. Revision and Discussion

Subject Teacher :

Ms. Ruchika, Sarita anshul

Incharge :

Dr. Renu Rathee



Dr. Renu Rathee
Principal
Datta College
Bikaner

COMPANY LAW-I (BC-404)

MONTH	TOPICS
APRIL 2022	Membership in companies; Company management and administration; Directors: legal position, qualification, appointment, removal; Powers, duties & liabilities of directors; managerial remuneration; key management personnel; managing director, whole time director, manager; Company Secretary: Role, appointment, duties, liabilities, rights and dismissal. Meetings: kinds of meetings, requisites of a valid meeting; authority, notice & agenda, quorum, chairperson & conduct of meeting, resolutions, minutes & proxy.
MAY	Dividend; accounts of companies; audit & auditors; Prevention of oppression & mismanagement; ASSIGNMENTS AND UNIT TEST compromise, arrangement, reconstruction and amalgamation
JUNE	winding up: meaning, modes of winding up; procedure and consequences of winding up.

Subject Teacher :

Ms. Jyoti, Smriti

Incharge: 

Dr. Renu Rathee

Computerized Accounting System (BC 405)

MONTH	TOPICS
APRIL 2022	Introduction: installation of Tally, ERP9 - Licensing configurations - Tally Vault Password - Security Control in Tally, ERP9 - Splitting Company Data - Backup and Restore. Accounting: voucher entry, budget, cost center, balance sheet, profit and loss account, currency, debit note, credit note, interest calculation. Inventory: stock item, sales order, purchase order, delivery note, rejection out. Practical
MAY	Computerized Tax Liability Calculation. Payroll: Salary Accounting - Introduction to Payroll - Payroll Masters

Date: _____

	- Payroll Vouchers Overtime ASSIGNMENTS AND UNIT TEST Payment - Gratuity Advanced Payroll Transactions Basic Salary, Overtime, Bonus, Gratuity, Loan. I.SI. Practical
JUNE	Provident Fund, Pension, Commission, Revision and Discussion

Subject Teacher :

Ms. Ruchika, Mr. Deepak

Incharge :

Dr. Renu Rathee



Advertising (BC 406(i))

MONTH	TOPICS
APRIL 2022	Advertising: meaning, importance & scope, advertising vs. publicity, promotion mix, advertising process, Communication and advertising mix, communication process, advertising functions, types of advertising, e-advertising, economic, legal, ethical and social aspects of advertising, setting advertising objectives, Dagmar approach: Advertising budget.
MAY	Creative aspects of advertising: advertising appeals, copy writing, headlines, illustrations and message, Advertising media: types of media, merits and demerits, media planning and scheduling, Advertising agency: concept, role & relationship with clients, advertising department, ASSIGNMENTS AND UNIT TEST Advertising and consumer behavior.
JUNE	Advertising Effectiveness: concept and benefits, measuring advertising effectiveness: pre, post and concurrent tests

Subject Teacher :

Dr. Niharika, Smriti, Dimpal

Incharge :

Dr. Renu Rathee



MANAGEMENT ACCOUNTING (BC-601)

MONTH	TOPICS
APRIL 2022	<p>Management Accounting: Meaning, Features, Scope, objectives, Role, Limitations, Tool and Techniques.</p> <p>Comparison between Financial accounting, cost accounting and management accounting</p> <p>Management reporting : need and types of reports</p> <p>Management information system</p> <p>Analysis of financial statements: comparative statements, common size statements, Ratio analysis: liquidity, solvency, profitability, and turnover.</p>
MAY	<p>Trend analysis, Cash flow : need, objectives</p> <p>Fund flow statements: importance, Need and method of preparing statements</p> <p>Absorption costing Meaning advantages and limitations,</p> <p>Absorption V/S variable costing: features and income determination</p> <p>Cost Volume Profit Analysis: Calculation of Break Even Point, P/V ratio, Margin of Safety, Composite P/V ratio, Angle of incidence</p> <p>Determination of cost indifference point, ASSIGNMENTS AND UNIT TEST</p> <p>Budgeting and Budgeting control; Meaning, objectives, Importance, limitations, Types of Budgets, Master Budget.</p>
JUNE	<p>Installation of Budgetary control System, fixed and Flexible Budget, Zero Based Budget, Programme budget and Performance Budget</p> <p>Problems and Revision</p>

Subject Teacher :

Ms.Shalu, Mr. Naresh, Rajesh

Incharge :

Dr. Renu Rathee

FUNDAMENTAL OF INSURANCE (BC-602)


MONTH	TOPICS
APRIL 2022	<p>Introduction to insurance: life and general insurance; purpose, need and principles of insurance;</p> <p>Insurance as a social security tool</p> <p>Contract of life insurance; principles and practice of life insurance;</p> <p>Parties to the contract, their rights and duties; claims settlement procedure.</p> <p>Fire insurance: principles of fire insurance contracts; fire insurance policy.</p>

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 Department of Commerce
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<p>conditions, assignment of policy, claims settlement procedure.</p> <p>Marine insurance: marine insurance policy and its conditions, premium, double insurance;</p> <p>Assignment of policy warranties, voyage</p>
<p>loss and abandonment; partial losses and particular charges; salvage;</p> <p>Total losses and measures of indemnity; claims settlement procedures.</p> <p>Accident and motor insurance: policy and claims settlement procedures.</p> <p>Insurance intermediaries - role of agents and procedure for becoming an agent</p> <p>Cancellation of license, ASSIGNMENTS AND UNIT TEST</p> <p>Revocation/ suspension/termination of agent appointment</p>
<p>Code of conduct, Unfair practices, Revision</p>

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uman, Tamanna

Incharge : 
 Dr. Renu Rathee

HUMAN RESOURCE MANAGEMENT (BC-603)

TOPICS
<p>Brief History of HRM Definition & Scope, Objectives, Functions & nature of HRM</p> <p>Importance & limitations of HRM, HRM vs HRD & Personnel management.</p> <p>HRP -- Definition, Need of HRP, Objectives, Process, Factors affecting Human Resource, planning, Types of HRP</p> <p>Problems & Suggestions for HRP effective, succession Planning, Job analysis and design-meaning & definition, Process of Job analysis, Methods of Collecting Job data.</p> <p>Potential problems with job analysis on, Job design, Meaning, Felton affecting, Job design, Techniques of Job design.</p> <p>Recruitment Meaning, definition, need, purpose, importance, process.</p> <p>Recruitment policy and situational factors affecting recruitment.</p>
<p>Internal & external methods of recruitment, constraints & challenges of recruitment policy, recent trends in recruitment, difference b/w recruitment & selection, Selection -- Meaning, Procedure, process of selection, barriers to effective selection, placement, Meaning, objective, contents & responsibilities for Induction, ASSIGNMENTS AND UNIT TEST</p> <p>Internal Mobility, need, future transfer, purposes type, benefits & problems, transfer policy, promotion purpose, basis, promotion policy.</p>

	Demotion-causes, demotion policy, separations, training - Meaning, training & education, objectives. Importance of training, steps in training, designing training program.
JUNE	Methods of training, coaching, apprenticeship, vestibule training, computer base training. Evaluation of training program, Performance appraisal - meaning, features, merits & limitations. Process & methods of performance appraisal, suggestions to improve performance appraisal level & ethical issues, potential appraisal Presentations, problem solving series, revision.

Subject Teacher :

Ms. Smriti, Snehal, Mr. Naresh,

Incharge :

Dr. Renu Rathee



INCOME TAX (BC-604)

MONTH	TOPICS
APRIL 2022	Deductions under section 80C to 80U in Computing Total Income. Deductions under section 80C to 80U in Computing Total Income.
	Computation of Total Income and Tax Liability of an Individual and H.U.F. Computation of Total Income and Tax Liability of H.U.F. Computation of Total Income and Tax Liability of a Firm Computation of Total Income and Tax Liability of a Firm
MAY	Computation of Total Income and Tax Liability of companies. Computation of Total Income and Tax Liability of companies Income Tax Authorities and their powers. ASSIGNMENTS AND UNIT TEST Procedure for Assessment : Different types of returns Procedure of filing e- return and revised return Deduction of Tax at Source ; Advance Payment of Tax Recovery of Tax and Refund of Tax ;
JUNE	Appeals and Revision Penalties and Prosecutions.

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Dayanand College
Bhubaneswar

Subject Teacher :

Ms. Kavita, Ruchika, Mr. Rajesh

Incharge :

Dr. Renu Rathie



BUSINESS ENVIRONMENT (BC-605)

MONTH	TOPICS
APRIL 2022	Business Environment: Concept, components, importance; Environmental scanning techniques Public, Private and joint sectors in India. Economics Systems, Economic Planning - Concept, types of plans Five year plans and planning machinery in India. Liberalization, Privatization Globalization: Regional Economic Groupings.
MAY	Role of Government in Indian Economy; Monetary policy Fiscal policy; Industrial policy; Industrial Licensing, Foreign exchange market: an overview Revision, Foreign exchange market: an overview Revision, ASSIGNMENTS AND UNIT TEST Export-Import Policy Foreign Investment and Collaborations; Multinational Corporations Competition Act, Foreign Exchange Management Act
JUNE	Foreign exchange market: an overview Revision.

Subject Teacher :

Ms. Usha Sarita

Incharge :

Dr. Renu Rathie



CORPORATE GOVERNANCE (BC-606)

MONTH	TOPICS
APRIL 2022	Corporate Governance: concept, structure and principles of corporate governance; models of corporate governance Process and regulation; parties to corporate governance; mechanism and controls; Requirement of effective corporate governance; insider trading; Rating agencies; whistle blowing; shareholder's protection

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B-1

	Corporate Governance in India: initiatives and present position; issues and problems in corporate governance; Corporate disclosure practices: globalization and corporate governance in India; corporate governance reforms
MAY	Organizational structure: Board of directors (composition and their role) Powers and Responsibilities of directors Board Meetings; Board Committees and their functions; SEBI norms. ASSIGNMENTS AND UNIT TEST Independent Director Corporate governance and CSR Corporate governance and ethics
JUNE	ICAI guidelines for corporate governance. Revision

Subject Teacher :

Ms.Dimpal Surita

Incharge :

Dr. Renu Rathee

Dimpal Surita
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LESSON PLAN FOR SESSION 2021-2022 (M.COM Even)

MC-201 INTERNATIONAL BUSINESS

MONTH	TOPICS
April	International Business: Importance, nature and scope international business operations / complexities and international business: India's involvement in Intern: Factors affecting International Business: Social and (Political, Legal and technological advancement: Glo and Components: Advantages and Disadvantages, T) international trade: Classical and modern theories of Modes of entry into International Business
May	Exporting, Licensing, Franchising, Contract Manuf projects, Foreign Direct Investments and Joint Vent (MNCs) in International Business: Issue in investm transfer, pricing and regulations; International colla strategic alliances. Trade barriers: tariff and non-tar tariff; Balance of payments; Exchange rate determin and Unit Test
June	International Economic Institutions: WTO, IMF, W India; Regional Economic Integration; Theory of c and General Equilibrium analysis; Emerging mark ASEAN.

Subject Teacher : Deepak Sharma

Incharge : [

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MC-202 FINANCIAL MANAGEMENT

MONTH	TOPICS
April	Financial Management: meaning, objectives and scope; types of financial decisions, risk-return framework for financial decision making; Time value of money; Capital Budgeting Decisions: nature, importance and types of investment decision; techniques of evaluating capital budgeting decisions, risk analysis in capital budgeting. Capital Structure Decisions: optimum capital structure; theories of capital structure; factors determining capital structure. Sources of long term and short term finance.
May	Cost of Capital: concept and importance; computations of cost of various sources of finance; weighted average cost of capital. Working Capital Management: Concept and types of working capital; operating cycle, determinants of working capital, estimation of working capital requirement; working capital policy; Management of cash, accounts receivables and inventories; financing working capital. . Assignments and Unit Test
June	Dividend Policy: Dividend and its forms, theories of dividend policy and their impact on the value of a firm; types of dividend policy; Corporate Restructuring: Types of business combinations, motives of mergers and acquisitions, valuation of mergers and acquisitions.

Subject Teacher: Deepak Kumar

Incharge: Dr. Renu Rathee 

MC-203 MARKETING MANAGEMENT

MONTH	TOPICS
April	Nature, scope and concept of marketing; Corporate orientations towards the marketplace; Marketing Mix; Understanding 4 A's of Marketing; Marketing Environment and Environment Scanning; Marketing Information System and Marketing Research; Understanding Consumer and Industrial Markets; Market Segmentation, Targeting and Positioning. Product decisions: Product concept and classification, product mix, product life cycle, new product development; Product branding, packaging and labeling decisions; Pricing decisions: Factors affecting pricing decisions, setting the price, Pricing strategies and methods.

Date: _____

May	Distribution channels and Logistics management; nature, types and role of intermediaries, factors influencing the channel selection, intensity of market coverage, Channel behavior and Organization conflict management, Vertical marketing system, horizontal marketing system, hybrid marketing system; Logistics management: objectives and major decisions areas of logistics; Promotional and communication decisions; promotion as communication, elements of promotion mix, factors influencing promotion mix, role of advertising, sales promotion, personal selling and public relations. Assignments and Unit Test
June	Holistic marketing; Trends in marketing practices; Internal marketing; Socially responsible marketing; Marketing implementation and control; New issues in marketing-Globalization, Consumerism, Green Marketing, Direct Marketing, Network Marketing, Event Marketing, Ethics in Marketing.

Subject Teacher: Miss Soniya

Incharge: Dr. Renu Rathee

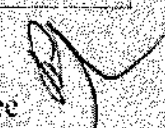


MC-204 HUMAN RESOURCE MANAGEMENT

MONTH	TOPICS
April	Concepts and perspectives of Human Resource Management; Human Resources Management in a changing environment; Managerial and operative functions of HRM Recruitment, Placement and Retention Strategies; Human Resource Planning; Job Analysis; Methods of Manpower Search; Attracting, Selecting and Retaining Human Resources; Induction and Socialization.
May	Training and Development; Manpower Training and Development; Performance Appraisal and Potential Evaluation; Career and Succession Planning; Talent Management. Assignments and Unit Test
June	Employee Relations and Compensation Administration; Job Evaluation and Compensation Management; Incentives and Employee Benefits; Employee Welfare; Industrial Relation; Employee Separation Practices, HR Accounting and audit.

Subject Teacher: Miss Smriti

Incharge: Dr. Renu Rathee



MC-205 MANAGEMENT AND COST ACCOUNTING

MONTH	TOPICS
April	Management Accounting: Nature, Functions, Objectives and Scope. Financial Accounting vs. Cost Accounting vs. Management Accounting. Role and Responsibilities of Management Accountant in a Business Organization. Cost Accounting: Meaning, cost concepts and classifications. Budgetary Control: Definition, Installation of the System: Classification of the Budgets: Behavioural aspects of Budgeting.
May	Standard Costing and Variance Analysis: Concept, Setting of Standards. Analysis of different types of material, labour, overhead and sales variances. Marginal Costing and Break even analysis: Cost - Volume - Profit Analysis. Different types of Break-even Points and Charts. Application of Marginal costing to managerial decision making. Assignments and Unit Test
June	Responsibility Accounting: Concept and significance; Organisational structure and Decentralization: cost and benefits of decentralization; Responsibility Centers: Cost Centre, Revenue centre, Profit centre and Investment centre; Transfer pricing: Alternative Transfer Pricing Methods, Divisional Performance Measurement: Return on Investment; Residual Income; Economic Value Added and Return on Sales; Non-Financial Performance measures: Balanced Scorecard.

Subject Teacher: Mr. Naresh

Incharge: Dr. Renu Rathee

MC-206 RESEARCH METHODOLOGY

MONTH	TOPICS
April	Introduction to Business Research, Formulation of the research problem and development of research hypotheses, Characteristics of Good Research, Ethics in Business Research, Research Process: Problem definition, Research Process, Research Design (Exploratory Research, Descriptive research and Experimental Research) Data collection, measurement and scaling: Secondary data collection methods, qualitative methods of data collection, attitude measurement and scaling, and questionnaire designing.


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 Incharge

May	Sampling Design: Sampling concepts, sampling techniques, sample size determination and data processing. Preliminary data analysis and interpretation: Univariate and Bivariate analysis of data, Testing of hypotheses, Analysis of variance techniques (one way and two way ANOVA), non-parametric tests (chi-square test, run test, one sample and two sample sign test, Mann-Whitney U test, Wilcoxon Signed Rank Test and Kruskal-Wallis Test) Assignments and Unit Test
June	Advanced Data analysis techniques: Correlation and regression analysis, Factor Analysis, Discriminant analysis, Cluster analysis and multidimensional scaling, Report writing and presentation of results.

Subject Teacher: Mrs. Sunita

Incharge: Dr. Renu Rathee

MCF-412 FINANCIAL MARKETS AND SERVICES

MONTH	TOPICS
April	Financial markets- Structure and Participants: Capital market : Money market: Primary and Secondary Market Operations; Listing of securities; functions of stock exchanges; Role of SEBI; Introduction to derivative and commodity markets. Financial Services: Meaning, Nature and Types: Factoring: Meaning, Characteristics and Types of Factoring arrangements; Factoring in India; Factoring vs. Forfeiting; Credit Rating: Meaning and Types, Benefits of Credit rating to investors and companies; Objectives and Functions of Credit Rating Agencies.
May	Credit Cards: Concept and Significance: Types of credit Cards, Credit Card business in India, Book Building: Concept and Mechanism of Book Building; Significance and Benefits of Book Building; Bought Out Deals: Meaning and Nature; Mechanisms of Bought out Deals. Assignments and Unit Test
June	Securitisation: Concept, Mode, Mechanism and Beneficiaries of Securitisation, Securitisation in India; Venture Capital: Meaning and Modes of Financing; Role and Functions of Merchant Bankers, Leasing: Concept, Classification, Accounting, Legal and Tax Aspects of Leasing

Subject Teacher: Mrs. Anshul

Incharge: Dr. Renu Rathee

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MCF-411 PORTFOLIO MANAGEMENT

MONTH	TOPICS
April	Introduction to Portfolio Management: Meaning, need, and objective of portfolio management, the process of portfolio management, determination of risk & return of a portfolio, risk analysis tools Theories of portfolio selection and management- Markowitz portfolio theory: optimal portfolio, meaning and construction of efficient frontier, investors' utility; CAPM: capital asset pricing model
May	Risk-free and risky lending and borrowing, market portfolio, capital market theory: CML, SML and Sharpe Single Index Model; Arbitrage Pricing Theory (APT); Bond portfolio management strategies - bond characteristics, fundamentals of bond valuation, bond & equity portfolio management strategies: passive portfolio strategies & active portfolio strategies. Assignments and Unit Test
June	Portfolio evaluation and revision - portfolio performance evaluation, risk adjusted performance measures; meaning, need and constraints of portfolio revision; formula plans: constant-dollar-value plan, constant ratio plan, variable ratio plan, process and intricacies of trading system in Indian stock market.

Subject Teacher: Mr. Rajesh

Incharge: Dr. Renu Rathee

MCM- 421 RETAIL MANAGEMENT

MONTH	TOPICS
April	Introduction to Retail- Evolution of Retail, Organised Vs Unorganised retailing, Retail Mix, theories of retail development, Types of Retailers Careers in Retailing; Understanding Consumers, Retail Locations- Planned and Unplanned, Retail Site Location- Site Characteristics, Trade Area Characteristics, Location and Site Evaluation; Store Layout and Design; Space Management; Visual Merchandising; Atmospheric

May	Managing Merchandise - Merchandise Planning, Process, Forecasting Sales, Developing Assortment Plans, National Brands and Private Labels; Retail Pricing- Setting Retail Prices, Price Adjustments, Pricing Strategies; Retail Communication Mix. Assignments and Unit Test
June	Information and Supply Chain Management- Information Flows, Logistics, Distribution Centre, Contemporary issues in Retail- Significance of retail as an industry, Retail scenario at International and National level, Technology in Retailing, Multi-channel Retailing, E-Retailing, Future of e-retailing, Challenges for traditional retail and e-retail, FDI in Retail.

Subject Teacher: Mrs. Jyoti

Incharge: Dr. Renu Rathee

NCM-422 RURAL MARKETING

MONTH	TOPICS
April 2022	Features, Significance, Scope and Limitations of rural markets in India, Environmental factors affecting rural markets; Changing focus of corporate towards rural markets; Demographic and psychographic profile of rural consumer; Classification of products and services in Rural marketing, rural demand and problems in rural marketing, Agriculture Marketing - Definition, Scope, Concept and Objectives; Differences in Agricultural and Consumer Marketing; Constraints in Agricultural marketing;
May	Role of Agriculture in Economic Development of India, Role of Government in Agricultural Development; Agribusiness; Export potential for farm products -Supporting Services, Cooperative Marketing - Concept, History, Functions - Reasons for slow progress of cooperative sector, Advantages & Limitations of Organized retailing in Agri Inputs and Outputs, Trends in Agri Marketing, Supply Chain Management in Agri Business i.e. Cold Chains, Organized procurement & warehousing.
June	Assignments and Unit Test Marketing Mix for rural producers; Role of financial institutions in rural marketing, Rural marketing strategies; Different models and case studies of corporate vis Tata Kisan Seva Kendra, Commodity market functioning etc. Innovative distribution Channels like ITC E-Choupal, Godrej Adhar, HUL Shakti.

Subject Teacher: Miss Usha

Incharge : Dr. Renu Rathee



Dr. Renu Rathee
Principal