Lesson plan

Session: 2025-2026 (Odd Semester)

Name of Teacher- Parveen Punia

Class –B.Sc. 2nd Year Section-A,B

Subject- Cell Biology and Genetics

Weeks	**Syllabus**
Week1	Plasma Membrane: Fluid mosaic model, transport across the membrane, mechanism of active and passive transport, endocytosis and exocytosis.
Week2	Plasma Membrane: Fluid mosaic model, transport across the membrane, mechanism of active and passive transport, endocytosis and exocytosis.
Week3	Endoplasmic reticulum (ER): Types and its functions. Goigi complex: Structureand role of golgi-complex in animal cell.
Week4	Ultrastructure and functions of Nucleus: nucleolus, nucleosome concept and role of histones,
Week5	fine structure of chromosomes, Euchromatin and heterochromatin, lampbrush chromosomes and polytene chromosomes.
Week6	Ribosomes: Types, and role in protein synthesis. Lysosomes: Structure, enzyme and their role; polymorphism

Week7	Mitochondria: Structure and role of mitochondria. Cytoskeleton: Microtubules, microfilaments, centriole and basal body, cilia and flagella
Week8	Mitosis and Meiosis, an elementary idea of cellular basis of Immunity.
Week9	Mendelian inheritance, Linkage and recombination, Sex determination and its mechanism,
Week 10	Sex linked inheritance: Haemophilia and colour blindness in man, Multiple allelism: A, B, O blood group in man.
Week 11	Inborn errors of metabolism (Alkaptonuria, Phenylketonuria, Albinism) sickle-cell-anaemia
Week 12	Nature and function of genetic material : Structure and type of nucleic acids
Week13	Gene mutations: spontaneous and induced (chemical and radiations) mutations;
Week 14	chemical basis of mutations; transition, transversion, Chromosomal abnormalities involving autosomes and sex chromosomes :
Week 15	Structural chromosomal aberrations (deletion, duplication, inversion and translocation).
Week 16	DNA replication,transcription,translation.

LESSON PLAN

Session: 2025-26 (ODD SEM)

Name of Teacher- Dr Ravina

Class- B.Sc. Life Sciences 1st Semester

Subject- Biodiversity-1 Non Chordata

WEEKS	SYLLABUS
Week 1	Phylum Protozoa: General characters
Week 2	Phylum Protozoa: classification up to class level
Week 3	Type study of Plasmodium vivax
Week 4	Type study of Plasmodium vivax
Week 5	Phylum Porifera: General characters
Week 6	Phylum Porifera: classification up to class level,
Week 7	Type study of Sycon
Week 8	Type study of Sycon
Week 9	Phylum – Coelentrata: General characters
Week 10	Phylum – Coelentrata: classification up to class level
Week 11	Type Study of Obelia
Week 12	Type Study of Obelia
Week 13	Phylum – Platyhelminthes and Aschelminthes: General characters, class level
Week 14	Type study of Liver Fluke, Fasciola hepatica
Week 15	Type study of Liver Fluke, Fasciola hepatica
Week 16	Revision and Test
Week 17	Revision and Test

LESSON PLAN

Session: 2025-26 (ODD SEM)

Name of Teacher- Dr Ravina

Class- B.Sc. Life Sciences 3rd semester

Subject- Microtomy

WEEKS	SYLLABUS
Week 1	Microtomy:- Introduction, definition, History
Week 2	Applications in Biological sciences;
Week 3	Types of microtomes- Rotary microtome, Sledge Microtome and Cryomicrotome
Week 4	Types of microtomes- Rotary microtome, Sledge Microtome and Cryomicrotome
Week 5	Collection and transportation of sample/specimens for histological examination;
Week 6	Basic concepts of fixation- Various types of fixatives used in microtomy;
Week 7	Process of fixation; Embedding-Block formation
Week 8	Section Cutting: Paraffin section cutting ; Streching- Spreading the sections and attachment to the glass slides;
Week 9	Staining – Principle and procedure;
Week 10	Preparation of Stains and solvents
Week 11	General Staining Procedures for Paraffin Embedded tissue;
Week 12	Nuclear Stains and Cytoplasmic stains- Haematoxylin and Eosin staining,
Week 13	Mercury Bromophenol , Blue staining; Toulidine Blue;
Week 14	Commonly used mountants in microtomy.
Week 15	Revision and Test
Week 16	Revision and Test
Week 17	Revision and Test

LESSON PLAN

Session: 2025-26 (ODD SEM)

Name of Teacher- Dr Hariom

Class- B.Sc. Life Sciences 1st Semester

Subject- Biodiversity-1 Non Chordata

WEEKS	SYLLABUS
Week 1	Phylum Protozoa: General characters
Week 2	Phylum Protozoa: classification up to class level
Week 3	Type study of Plasmodium vivax
Week 4	Type study of Plasmodium vivax
Week 5	Phylum Porifera: General characters
Week 6	Phylum Porifera: classification up to class level,
Week 7	Type study of Sycon
Week 8	Type study of Sycon
Week 9	Phylum – Coelentrata: General characters
Week 10	Phylum – Coelentrata: classification up to class level
Week 11	Type Study of Obelia
Week 12	Type Study of Obelia
Week 13	Phylum – Platyhelminthes and Aschelminthes: General characters, class level
Week 14	Type study of Liver Fluke, Fasciola hepatica
Week 15	Type study of Liver Fluke, Fasciola hepatica
Week 16	Revision and Test
Week 17	Revision and Test

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Name of Teacher: Mr. Amit Dev

Week	**Class (B.Sc. Major Chemistry MDC Course IInd year)**
1st Week (15-19 July)	Humans Skeleton and bones: Characteristics (axial and appendicular skeleton), Joints, cartilage and ligaments,
20 July	Sunday
2nd Week (21July-26July)	Interaction between skeletal muscles and nerves.
27 July	Sunday
3rd Week (28 July -02 Aug)	ABO and RH system in humans,
03 Aug	Sunday
4th Week (04-09 Aug)	Methods of determination, importance and dangers of blood transfusion.,
11-16 Aug	Human cell and chromosomes: Cell as unit of life, morphology
17 Aug	Sunday
5th Week (18-23 Aug)	DNAPolymorphism:VNTR,STR,SNP,MtDNA,DNAMarkers,sequence
24 Aug	Sunday
6th Week (25-30Aug)	functional elements of human chromosome
31Aug	Sunday
7th Week (01-06Sept)	Sex Determination: Definition, different types and scope
07 Sept	Sunday
8th Week (08-13 Sept)	Respiration in humans: Anatomy and physiology of respiration,.
14 Sept Sunday	
9th Week (15-20 Sept)	Factors affecting change of gases and diffusing capacity.
21 Sept	Sunday
10th Week (22-27Sept)	Assignments, revesion, class test 1
28 Sept	Sunday
11th Week (29 Sept-04 Oct)	Introduction to Dental Formula,
05 Oct	Sunday

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12th Week (06-11 Oct)	Types and development of tooth.
12 Oct	Sunday
13th Week (14-23 Oct)	Diwali Break
14th Week (24-25 Oct)	Darwinism, species and population: Concept of evolution,.
26Oct	Sunday
15th Week (27 Oct-01 Nov)	Theory of Darwinism, Neo- Darwinism, Genetic drift,
02 Nov	Sunday
16th Week (03-08 Nov)	Hardy Weinberg Law
09 Nov	Sunday
17th Week (10-19 Nov)	Human Evolution: Origin and evolution, adaptive evolution.
18th Week 19 NOV onwards	University Examinations

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Name of Teacher: Mr. Amit Dev

Week	**Class (B.Sc. Physical science Minor Course IInd year)**
1st Week (15-19 July)	DNA Profiling: Introduction,History of DNA Typing, human genetics–heredity,
20 July	Sunday
2nd Week (21July-26July)	Alleles, mutations,
27 July	Sunday
3rd Week (28 July -02 Aug)	Molecular biology of DNA
03 Aug	Sunday
4th Week (04-09 Aug)	Molecular biology of RNA,
11-16 Aug	DNA types.
17 Aug	Sunday
5th Week (18-23 Aug)	DNA Polymorphism: VNTR, STR, SNP, MtDNA, DNA Markers, sequence
24 Aug	Sunday
6th Week (25-30Aug)	Polymorphism. DNA typing systems-
31Aug	Sunday
7th Week (01-06Sept)	RELP analysis,
07 Sept	Sunday
8th Week (08-13 Sept)	PCR amplifications.
14 Sept Sunday	
9th Week (15-20 Sept)	DNA profilingmethods: Sample collection.
21 Sept	Sunday
10th Week (22-27Sept)	Assignments, revesion, class test 1
28 Sept	Sunday
11th Week (29 Sept-04 Oct)	Preservation for DNA profiling,
05 Oct	Sunday

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12th Week (06-11 Oct)	DNA Extraction, Analysis of SNP, STR, Y-STR. Mitochondrial DNA, evaluation results,
12 Oct	Sunday
13th Week (14-23 Oct)	Diwali Break
14th Week (24-25 Oct)	Database, quality control, certification and accreditation.
26Oct	Sunday
15th Week (27 Oct-01 Nov)	Forensic applications of DNA Profiling: Applications in disputed paternity cases,
02 Nov	Sunday
16th Week (03-08 Nov)	Child swapping, missing person's identity–civil immigrations, veterinary,
09 Nov	Sunday
17th Week (10-19 Nov)	Legal perspectives legal standards for admissibility of DNA profiling. Rapid DNA analyser, imitations of DNA profiling.
18th Week 19 NOV onwards	University Examinations

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Name of Teacher: Dr. Tilak Raj

Week	**Class (B.Sc. Pass Course III year)**
1st Week (15-19 July)	Introduction to ecology
20 July	Sunday
2nd Week (21July-26July)	Definition, significance of ecology, Natural seed resources-introduction
27 July	Sunday
3rd Week (28 July -02 Aug)	Concepts of habitat and ecological niche, Molluscs and their culture.
03 Aug	Sunday
4th Week (04-09 Aug)	Introduction to environment and environmental factors, Crustaceans and their culture.
11-16 Aug	Revision
17 Aug	Sunday
5th Week (18-23 Aug)	Factors affecting environment- Abiotic factors Concept, reservoir pool of biogeochemical cycles
24 Aug	Sunday
6th Week (25-30Aug)	Factors affecting environment- biotic factor, revision and Assignments, Ponds-running water, Biotechnology, gene manipulation
31Aug	Sunday
7th Week (01-06Sept)	Introduction to Ecosystem, Introduction to world fisheries
07 Sept	Sunday
8th Week (08-13 Sept)	Concept, components of ecosystem, Production, utilization and demand of fisheries, Recycled water, cage, culture; poly culture. Cryopreservation of gametes.
14 Sept	Sunday
9th Week (15-20 Sept)	Properties and functions of ecosystem, Fresh Water fishes of India-Introduction
21 Sept	Sunday
10th Week (22-27Sept)	Ecological energetics and energy flow, Fishes in river system, reservoir, pond, Concept and evidences of organic evolution.
28 Sept	Sunday
11th Week (29 Sept-04 Oct)	food chain, food web, Fishes in tank fisheries; captive and culture fisheries
05 Oct	Sunday

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12th Week (06-11 Oct)	Trophic structure, Ecological pyramids, Cold water fisheries,
12 Oct	Sunday
13th Week (14-23 Oct)	Diwali Break
14th Week (24-25 Oct)	Concept of productivity, Gaseous cycles and sedimentary cycles, Fishing crafts and gears
26Oct	Sunday
15th Week (27 Oct-01 Nov)	Population: Growth and regulation, Fin fishes and their culture.
02 Nov	Sunday
16th Week (03-08 Nov)	
09 Nov	Sunday
17th Week (10-19 Nov)	Revision and tests
18th Week 19 NOV onwards	University examinations

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Name of Teacher: Mrs. Sunita

Week	**Class (B.Sc. Pass Course III year)**
1st Week (15-19 July)	Introduction to Organic evolution
20 July	Sunday
2nd Week (21July-26July)	Theory of organic evolution
27 July	Sunday
3rd Week (28 July -02 Aug)	Neo Lamarckism and mutational theory
03 Aug	Sunday
4th Week (04-09 Aug)	Species concept
11-16 Aug	Model of speciation
17 Aug	Sunday
5th Week (18-23 Aug)	Concept of microevolution
24 Aug	Sunday
6th Week (25-30Aug)	Concept of macro-and mega-evolution
31Aug	Sunday
7th Week (01-06Sept)	Phylogeny of horse Evolution of man
07 Sept	Sunday
8th Week (08-13 Sept)	Evidence of organic evolution
14 Sept Sunday	
9th Week (15-20 Sept)	Homologous oragns
21 Sept	Sunday
10th Week (22-27Sept)	Assignments, revesion, class test 1
28 Sept	Sunday
11th Week (29 Sept-04 Oct)	Analogous organs
05 Oct	Sunday

12th Week (06-11 Oct)	Vestigial and anatomical evidence of organic evolution

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12 Oct	Sunday
13th Week (14-23 Oct)	Diwali Break
14th Week (24-25 Oct)	Evolution of Horse, Class test 2
26Oct	Sunday
15th Week (27 Oct-01 Nov)	Evolution of Horse
02 Nov	Sunday
16th Week (03-08 Nov)	Evolution of Men
09 Nov	Sunday
17th Week (10-19 Nov)	Evolution of Men
18th Week 19 NOV onwards	University Examinations

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Name of Teacher: Mr. Surender Narwal

Week	**Class (B.Sc. Pass Course III year)**
1st Week (15-19 July)	Introduction to world fisheries
20 July	Sunday
2nd Week (21July-26July)	Production, utilization and demand of fisheries
27 July	Sunday
3rd Week (28 July -02 Aug)	Fresh Water fishes of India-Introduction
03 Aug	Sunday
4th Week (04-09 Aug)	Fishes in river system, reservoir, pond, Concept and evidences of organic evolution.
11-16 Aug	Fishes in tank fisheries; captive and culture fisheries, Theories of organic evolution.
17 Aug	Sunday
5th Week (18-23 Aug)	Cold water fisheries, Concept of microevolution and concept of species
24 Aug	Sunday
6th Week (25-30Aug)	Fishing crafts and gears, Concept of macro-and mega-evolution
31Aug	Sunday
7th Week (01-06Sept)	Fin fishes and their culture.
07 Sept	Sunday
8th Week (08-13 Sept)	Crustaceans and their culture.
14 Sept Sunday	
9th Week (15-20 Sept)	Mollusca and their culture.
21 Sept	Sunday
10th Week (22-27Sept)	Assignments, revision, class test 1
28 Sept	Sunday
11th Week (29 Sept-04 Oct)	Natural seed resources-introduction
05 Oct	Sunday

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12th Week (06-11 Oct)	Collection, Hatchery production
12 Oct	Sunday
13th Week (14-23 Oct)	Diwali Break
14th Week (24-25 Oct)	Sources of food (Natural, Artificial), Class test 2
26Oct	Sunday
15th Week (27 Oct-01 Nov)	Feed composition (Calorie and Chemical ingredients).
02 Nov	Sunday
16th Week (03-08 Nov)	Ponds-running water, Biotechnology, gene manipulation
09 Nov	Sunday
17th Week (10-19 Nov)	Recycled water, cage, culture; poly culture. Cryopreservation of gametes.
18th Week 19 NOV onwards	University Examinations

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Name of Teacher: Dr. Devender

Week	**Class (B.Sc. Pass Course III year)**
1st Week (15-19 July)	Introduction to ecology
20 July	Sunday
2nd Week (21July-26July)	Definition, significance of ecology
27 July	Sunday
3rd Week (28 July -02 Aug)	Concepts of habitat and ecological niche
03 Aug	Sunday
4th Week (04-09 Aug)	Introduction to environment and environmental factors
11-16 Aug	Revision
17 Aug	Sunday
5th Week (18-23 Aug)	Factors affecting environment- Abiotic factors Concept, reservoir pool of biogeochemical cycles
24 Aug	Sunday
6th Week (25-30Aug)	Factors affecting environment- biotic factor, revision and Assignments
31Aug	Sunday
7th Week (01-06Sept)	Introduction to Ecosystem
07 Sept	Sunday
8th Week (08-13 Sept)	Concept, components of ecosystem
14 Sept	Sunday
9th Week (15-20 Sept)	Properties and functions of ecosystem
21 Sept	Sunday
10th Week (22-27Sept)	Ecological energetics and energy flow
28 Sept	Sunday
11th Week (29 Sept-04 Oct)	food chain, food web,
05 Oct	Sunday

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12th Week (06-11 Oct)	Trophic structure Ecological pyramids
12 Oct	Sunday
13th Week (14-23 Oct)	Diwali Break
14th Week (24-25 Oct)	Concept of productivity Gaseous cycles and sedimentary cycles
26Oct	Sunday
15th Week (27 Oct-01 Nov)	Population: Growth and regulation
02 Nov	Sunday
16th Week (03-08 Nov)	Phylogeny of horse Evolution of man
09 Nov	Sunday
17th Week (10-19 Nov)	Revision and tests
18th Week 19 NOV onwards	University examinations

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Name of Teacher: Mr. Hariom

Week	**Class (B.Sc. Major Chemistry 1st year)**
1st Week (15-19 July)	Zoology: Definition and scope, introduction to Animal Kingdom
20 July	Sunday
2nd Week (21July-26July)	Animal characters Non-Chordates and Invertebrates with examples, Invertebrate Phyla, Introduction to basic characters of animal with special reference to the non chordates
27 July	Sunday
3rd Week (28 July -02 Aug)	Biodiversity: Introduction and Scope; General characters of Protozoa And Porifera
03 Aug	Sunday
4th Week (04-09 Aug)	General characters of Coelentrata andAnnelida;Ecological importance of corals;
11-16 Aug	Morphology of earthworm and Its ecological role; Economic importance of Leech
17 Aug	Sunday
5th Week (18-23 Aug)	General characters of Arthropoda; Study of basic characters of insects and snails; Insects as pest:
24 Aug	Sunday
6th Week (25-30Aug)	Grasshopper,Economic importance of Honey Bee -
31Aug	Sunday
7th Week (01-06Sept)	General characters of Echinodermata
07 Sept	Sunday
8th Week (08-13 Sept)	Study of basic characters of Starfish with reference to its role in ecosystem.
14 Sept Sunday	
9th Week (15-20 Sept)	Economic importance of StarFish
21 Sept	Sunday
10th Week (22-27Sept)	Assignments, revesion, class test 1
28 Sept	Sunday
11th Week (29 Sept-04 Oct)	General characters of Mollusca

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05 Oct	Sunday

12th Week (06-11 Oct)	Study of Amoeba and sponges with special reference to its structure and economic importance
12 Oct	Sunday
13th Week (14-23 Oct)	Diwali Break
14th Week (24-25 Oct)	Snails as pest in Paddy fields
26Oct	Sunday
15th Week (27 Oct-01 Nov)	Revision,Assignment,Test
02 Nov	Sunday
16th Week (03-08 Nov)	economic importance of Amoeba
09 Nov	Sunday
17th Week (10-19 Nov)	Economic importance of sponges
18th Week 19 NOV onwards	University Examinations

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Name of Teacher: Dr.Neeraj Devi

Week	**Class(B.Sc.Life science 1st year –PAPER-SEC APICULTURE) Section-A**
1st Week (15-19 July)	Apiculture meaning, definition scope and history
20July	Sunday
2ndWeek (21July-26July)	Status of Apiculture Industry in India, Classification and Life Cycle of Honey Bee.
27 July	Sunday
3rd Week (28 July - 02Aug)	Identification of Indigenous and exotic Honey bee species
03Aug	Sunday
4th Week (04-09Aug)	Cultivable species of Honey Bee with reference to India
11-16 Aug	Social organization of honey bees: the castes-queen, drone and workers,
17Aug	Sunday
5th Week (18-23Aug)	Nesting behavior of Honey bees, Bee foraging, Seasonal management
24Aug	Sunday
6th Week (25-30Aug)	swarming in Honey bees, waggle dance, defense in honey bees
31Aug	Sunday
7th Week (01-06Sept)	Diseases and Enemies of Bees, Control and Preventive measures.
07Sept	
8th Week (08-13Sept)	Role of Bees in cross pollination in horticulture and agriculture
14 Sept Sunday	Sunday
9th Week (15-20Sept)	Methods of Artificial Bee keeping
21Sept	Sunday
10th Week (22-27Sept)	Equipments used in Beekeeping Industry
28Sept	Sunday
11thWeek (29Sept-04Oct)	Methods of extraction of Honey and other products

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05Oct	Sunday
12th Week (06-11 Oct)	Products of Apiculture Industry and their Uses (Honey, Bee Wax, Royal Jelly,
12Oct	Sunday
13th Week (14-23Oct)	Products of Apiculture Industry and their Uses (Bee Venom, Propolis and Pollen)
14th Week (24-25Oct)	Bee Keeping Industry: Present and future Prospects of apiculture as self employment venture.
26Oct	Sunday
15thWeek (27Oct-01Nov)	Economics of Apiculture: Expenditure
02 Nov	Sunday
16th Week (03-08Nov)	Economics of Apiculture:- Net Income, and Additional benefits
09 Nov	Sunday
17th Week (10-19Nov)	Revision of whole syllabus and test
18th Week 19 NOV onwards	University Examinations

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Name of Teacher: Dr.Neeraj Devi

Week	**Class(B.Sc.Life science 2nd year –PAPER-SEC MICROTOMY) Section-B**
1st Week (15-19 July)	Microtomy:- Introduction, definition, History and Applications in Biological sciences
20July	Sunday
2ndWeek (21July-26July)	Types of microtomes- Rotary microtome, Sledge Microtome and Cryomicrotome
27 July	
3rd Week (28 July - 02Aug)	Types of microtomes- Rotary microtome, Sledge Microtome and Cryomicrotome
03Aug	Sunday
4th Week (04-09Aug)	Collection and transportation of sample/specimens for histological examination;
11-16 Aug	Basic concepts of fixation- Various types of fixatives used in microtomy;
17Aug	Sunday
5th Week (18-23Aug)	Process of fixation; Embedding-Block formation
24Aug	Sunday
6th Week (25-30Aug)	Section Cutting: Paraffin section cutting
31Aug	Sunday
7th Week (01-06Sept)	Streching- Spreading the sections and attachment to the glass slides;
07Sept	
8th Week (08-13Sept)	Staining – Principle and procedure;
14 Sept Sunday	Sunday
9th Week (15-20Sept)	Preparation of Stains and solvents
21Sept	
10th Week (22-27Sept)	General Staining Procedures for Paraffin Embedded tissue;
28Sept	Sunday
11thWeek (29Sept-04Oct)	Nuclear Stains and Cytoplasmic stains
05Oct	Sunday

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12th Week (06-11 Oct)	Haematoxylin and Eosin staining,
12Oct	Sunday
13th Week (14-23Oct)	Blue staining; Toulidine Blue
14th Week (24-25Oct)	Commonly used mountants in microtomy
26Oct	Sunday
15thWeek (27Oct-01Nov)	Mercury Bromophenol
02 Nov	Sunday
16th Week (03-08Nov)	Revision of 1st and 2nd units and tests
09 Nov	Sunday
17th Week (10-19Nov)	Revision of 3rd and 4th units and tests
18th Week 19 NOV onwards	University Examinations

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Name of Teacher: Dr. Shelly Dalal

Week	**Class (B.Sc. Physical science 1st year (Sec-B) –PAPER- Human Evolution)**
1st Week (16-17 July)	Origin of Evolutionary Thoughts; Linnaeus, Wallace/Darwin.
20July	Sunday
2ndWeek (23-24July)	Theory of Evolution by Natural Selection.
27 July	Sunday
3rd Week (30July -31 july)	The forces of Evolution & formation of species.
03Aug	Sunday
4th Week (06-07Aug)	Natural Selection & Genetic Drift.
13-14 Aug	Gene Flow & Founder's Effect.
17Aug	Sunday
5th Week (20-21Aug)	Human Variations & Race.
24Aug	Sunday
6th Week (27-28Aug)	Human Adaptations.
31Aug	Sunday
7th Week (03-04 Sept)	Life History of primates & Primate Sociability.
07Sept	Sunday
8th Week (10-11Sept)	Social Behavior & Culture : An insight of the origin of sociality in humans.
14 Sept Sunday	Sunday
9th Week (17-18 Sept)	The hominids in records, early Hominids & Australopithecus.
21Sept	Sunday
10th Week (24-25Sept)	Evolution of Human Behavior
28Sept	Sunday
11thWeek (01 -02Oct)	Neanderthals & Contemporaries.

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05 Oct	Sunday

12th Week (08-09 Oct)	Forces of Evolution & its types.
12Oct	Sunday
13th Week (15-16Oct)	Assignment.
14th Week (22-23Oct)	. Diwali Break
26Oct	Sunday
15thWeek (29-30 Oct.)	Test of unit 1&2.
02 Nov	Sunday
16th Week (05-06Nov)	Test of Unit 3 & 4
09 Nov	Sunday
17th Week (12-13Nov)	Revision of whole syllabus and tests.
18th Week 19 NOV onwards	University Examinations

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Name of Teacher: Dr. Shelly Dalal

Week	**Class (B.Sc. Life science 1st year (Sec-B) –PAPER-APICULTURE)**
1st Week (15-19 July)	Apiculture meaning, definition scope and history
20July	
2ndWeek (21July-26July)	Status of Apiculture Industry in India, Classification and Life Cycle of Honey Bee.
27 July	
3rd Week (28 July - 02Aug)	Identification of Indigenous and exotic Honey bee species
03Aug	
4th Week (04-09Aug)	Cultivable species of Honey Bee with reference to India
11-16 Aug	Social organization of honey bees: the castes-queen, drone and workers,
17Aug	
5th Week (18-23Aug)	Nesting behavior of Honey bees, Bee foraging, Seasonal management
24Aug	
6th Week (25-30Aug)	swarming in Honey bees, waggle dance, defense in honey bees
31Aug	
7th Week (01-06Sept)	Diseases and Enemies of Bees, Control and Preventive measures.
07Sept	
8th Week (08-13Sept)	Role of Bees in cross pollination in horticulture and agriculture
14 Sept Sunday	
9th Week (15-20Sept)	Methods of Artificial Bee keeping
21Sept	
10th Week (22-27Sept)	Equipments used in Beekeeping Industry
28Sept	
11thWeek (29Sept-04Oct)	Methods of extraction of Honey and other products

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05Oct	

12th Week (06-11 Oct)	Products of Apiculture Industry and their Uses (Honey, Bee Wax, Royal Jelly,
12Oct	
13th Week (14-23Oct)	Products of Apiculture Industry and their Uses (Bee Venom, Propolis and Pollen)
14th Week (24-25Oct)	Bee Keeping Industry: Present and future Prospects of apiculture as self employment venture.
26Oct	
15thWeek (27Oct-01Nov)	Economics of Apiculture: Expenditure
02 Nov	
16th Week (03-08Nov)	Economics of Apiculture:- Net Income, and Additional benefits
09 Nov	
17th Week (10-19Nov)	Revision of whole syllabus and test
18th Week 19 NOV onwards	University Examinations