

**KUMARI VIDYAVATI ANAND D.A.V. COLLEGE FOR WOMEN,
KARNAL**

**Lesson Plan for the Odd Semester
(July to November, 2025)**

Name of the Teacher – Ms. Nisha

Class – B.Sc. III

Subject – Zoology

Paper – Ecology and Environment

July, 2025 4th Week 22 July – 23 July	Ecology : <ul style="list-style-type: none">• Introduction to basic concepts of ecology.• Introduction to basics of Environment.
27 July, 2025	Sunday
5th Week 28 July – 30 July	<ul style="list-style-type: none">• Preparation for orientation programme• Orientation programme.
31 July	Shaheed Udham Singh Martyrdom Day

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Lesson Plan for the Odd Semester (July to November, 2025)

Name of the Teacher – Ms. Nisha

Class – B.Sc. III

Subject – Zoology

Paper – Ecology and Environment

August, 2025 1 st Week 4 Aug – 6 Aug	Basic concepts of ecology : <ul style="list-style-type: none">• Definition, significance.• Levels of organization.• Concepts of habitat and ecological niche
3 Aug, 2025	Sunday
2 nd Week 11 Aug – 13 Aug	Ecosystem : <ul style="list-style-type: none">• Concept, components.• Properties and function.• Ecological energetic and energy flow model.• Food chain and food web.
9 Aug, 2025 10 Aug, 2025	Raksha Bandhan Sunday
3 rd Week 18 Aug - 20 Aug	Ecosystem : <ul style="list-style-type: none">• Tropic structure.• Ecological pyramids.• Concept of productivity.
15 Aug, 2025 16 Aug, 2025 17 Aug, 2025	Independence Day Janmashtmi Sunday
24 Aug, 2025	Sunday
4 th Week 25 Aug - 27 Aug	Environment : <ul style="list-style-type: none">• Factors affecting environment.• Abiotic factors (light intensity, quality and duration).• Temperature, humidity, wind, rainfall, topography, edaphic factors.• Biotic factors.
31 Aug, 2025	Sunday

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Subject – Zoology

Paper – Ecology and Environment

September, 2025 1 st Week 1 Sept – 3 Sept	Biomes: <ul style="list-style-type: none"> • Introduction to major ecosystem of the world. • Types of biomes. • Man-made ecosystem. • Boundaries of ecosystem.
7 Sept, 2025	Sunday
2 nd Week 8 Sept – 10 Sept	Biosphere and Biogeochemical Cycles : <ul style="list-style-type: none"> • Definition and introduction. • Types of biogeochemical cycles. • Aspects of nutrient cycles. • Concept of limiting factors.
14 Sept, 2025	Sunday
3 rd Week 15 Sept – 17 Sept	Community Ecology: <ul style="list-style-type: none"> • Characteristics, composition, structure. • Origin and development of a community. • Ecological and biotic succession.
21 Sept, 2025 22 Sept, 2025 23 Sept, 2025	Sunday Maharaja Agrasen Jayanti Shaheedi Divas/Haryana War Heroes' Martyrdom Day
4 th Week 24 Sept	<ul style="list-style-type: none"> • Origin and development of a community. • Ecological and biotic succession.
28 Sept, 2025	Sunday
5 th Week 29 Sept – 30 Sept, 2025	Population: <ul style="list-style-type: none"> • Introduction and characteristics of population. • Growth curve or model. • Population and economic development. • Birth control Measures.

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Name of the Teacher – Ms. Nisha

Class – B.Sc. III

Subject – Zoology

Paper – Ecology and Environment

October, 2025 1 st Week 6 Oct – 8 Oct	Population Interactions: <ul style="list-style-type: none">• Competition, Predation, Parasitism.• Commensalisms and Mutualism.• Lotka voltera model of interspecific interaction.
2 Oct, 2025 5 Oct, 2025	Mahatma Gandhi Jayanti/Dussehra Sunday
2 nd Week 13 Oct - 15 Oct	Biodiversity: <ul style="list-style-type: none">• Introduction and levels of biodiversity.• Conservation of biological diversity.• Uses of biodiversity• Causes of extinction of biodiversity.• Threatened species.• Protected areas in India.
7 Oct, 2025 12 Oct, 2025	Maharishi Valmiki Jayanti/Maharaja Ajmidh Jayanti Sunday
19 Oct – 26 Oct	Vacations (Diwali)
5 th Week 27 Oct- 29 Oct	Climate Change: <ul style="list-style-type: none">• Green house effect and global warming.• Carbon dioxide fertilization effect.• Ozone depletion.• Sustainable development.

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Name of the Teacher – Ms. Nisha

Class – B.Sc. III

Subject – Zoology

Paper – Ecology and Environment

November, 2025 1 st Week 1 Nov, 2025 2 Nov, 2025	Haryana Day Sunday
2 nd Week 3 Nov - 8 Nov	Sessional Exams
5 Nov, 2025 9 Nov, 2025	Guru Nanak Dev Jayanti Sunday
3 rd Week 10 Nov - 12 Nov	Natural resources and their conservation: <ul style="list-style-type: none">• Classes of natural resources.• Characteristics of natural resources. Environmental pollution: <ul style="list-style-type: none">• Pollutants and their types.• Air pollution: types, sources, effects and control measures
16 Nov, 2025	Sunday
4 th Week 17 Nov – 19 Nov	Environmental pollution: <ul style="list-style-type: none">• Water pollution: types, sources, effects and control measures.• Soil pollution: types, sources, effects and control measures.• Environmental impact assessment (EIA).
23 Nov, 2025	Sunday
5 th Week 24 November, 2025 Onwards	University Examinations

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KARNAL**

**Lesson Plan for the Odd Semester
(July to November, 2025)**

Name of the Teacher –Ms. Priya

Class –B.Sc Life Sciences aided+biotech II

Subject –Zoology

Paper – Cell Biology and Animal Genetics

July, 2025 4th Week 24 July – 26 July	<ul style="list-style-type: none">• Introduction of syllabus• Orientation class
27 July, 2025	Sunday
31 July	Shaheed Udham Singh Martyrdom Day

KUMARI VIDYAVATI ANAND D.A.V. COLLEGE FOR WOMEN, KARNAL

Lesson Plan for the Odd Semester (July to November, 2025)

Name of the Teacher –Ms. Priya

Class – B.Sc Life Science aided+Biotech II

Subject – Zoology

Paper – Cell Biology and Animal Genetics

August, 2025 1 st Week 1 Aug – 2 Aug	<ul style="list-style-type: none">• General structure of animal cell.• Introduction to Plasma Membrane.
3 Aug, 2025	Sunday
2 nd Week 7 Aug – 8 Aug	<ul style="list-style-type: none">• Fluid mosaic model• Various modes of transport across the membrane• Mechanism of active and passive transport
9 Aug, 2025 10 Aug, 2025	Raksha Bandhan Sunday
3 rd Week 14 Aug	<ul style="list-style-type: none">• Endocytosis and Exocytosis• Endoplasmic reticulum(ER)
15 Aug, 2025 16 Aug, 2025 17 Aug, 2025	Independence Day Janmashtmi Sunday
4 th Week 21 Aug - 23 Aug	<ul style="list-style-type: none">• Golgi complex: Structure, associated enzymes and role of golgi complex in animal cell.• Ribosomes: Types, biogenesis and role in protein synthesis.• Lysosomes: Structure, enzymes and their role; polymorphism.
24 Aug, 2025	Sunday
5 th Week 28 Aug - 30 Aug	<ul style="list-style-type: none">• Mitochondria: Structure, Mitochondria as semiautonomous body.• Biogenesis,function of mitochondria.• Cilia and Flagella: Structure and function.
31 Aug, 2025	Sunday

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Lesson Plan for the Odd Semester (July to November, 2025)

Name of the Teacher –Ms. Priya

Class – B.Sc Life Sciences Aided+Biotech II

Subject –Zoology

Paper –Cell Biology and Animal Genetics

September, 2025 1 st Week 4 Sept – 6 Sept	<ul style="list-style-type: none"> • Ultrastructure and function of Nucleus • Nuclear membrane, nuclear lamina, nucleolus ,fine structure of chromosomes • Nucleosome concept and role of histones, euchromatin and heterochromatin.
7 Sept , 2025	Sunday
2 nd Week 11 Sept – 13 Sept	<ul style="list-style-type: none"> • Introduction to Mendel`s Laws of inheritance, Linkage and recombination: Cell Cycle • Crossing over and chiasmata formation • Gene mapping
14 Sept , 2025	Sunday
3 rd Week 18 Sept – 20 Sept	<ul style="list-style-type: none"> • Sex determination and its mechanism: male and female heterozygous systems, genetic balance system • Role of Y-chromosome , male haploidy, cytoplasmic and environmental factors • Role of hormones in sex determination • Introduction to sex linked inheritance
21 Sept, 2025 22 Sept, 2025 23 Sept, 2025	Sunday Maharaja Agrasen Jayanti Shaheedi Divas/Haryana War Heroes' Martyrdom Day
4 th Week 25 Sept – 27 Sept	<ul style="list-style-type: none"> • Hemophilia and colour blindness in man • Eye colour in Drosophilla, Non-disjunction of sex-chromosome in Drosophila • Sex-linked and sex- influenced inheritance
28 Sept, 2025	Sunday

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Lesson Plan for the Odd Semester (July to November, 2025)

Name of the Teacher –Ms. Priya

Class – B.Sc Life Sciences Aided+Biotech II

Subject – Zoology

Paper – Cell Biology and Animal Genetics

October, 2025 1 st Week 3 Oct – 4 Oct	<ul style="list-style-type: none">• Extra chromosomal and cytoplasmic inheritance• Kappa particles in Paramecium• Shell coiling in snails, Milk factor in mice
2 Oct, 2025 5 Oct, 2025	Mahatma Gandhi Jayanti/Dussehra Sunday
2 nd Week 9 Oct - 11 Oct	<ul style="list-style-type: none">• Multiple allelism : Eye colour in Drosophila• A, B, O blood group in man
7 Oct, 2025 12 Oct, 2025	Maharishi Valmiki Jayanti/Maharaja Ajmidh Jayanti Sunday
3 rd Week 16 Oct - 18 Oct	<ul style="list-style-type: none">• Introction to Human genetics• Human karyotype , monozygotic and dizygotic twins• Chromosomal abnormalities involving autosomes and sex chromosomes
19 Oct – 26 Oct	Vacations (Diwali)
5 th Week 30 Oct- 31 Oct	<ul style="list-style-type: none">• Inborn errors of metabolism – Alcaptonuria, Phenylketonuria• Albinism, sickle-cell anaemia• Applied genetics: Genetic counseling, pre-natal diagnosis

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Name of the Teacher –Ms. Priya

Class – B.Sc Life Sciences Aided+Biotech II

Subject – Zoology

Paper – Cell Biology and Animal Genetics

November, 2025 1st Week 1 Nov,2025 2 Nov, 2025	Haryana Day Sunday
2nd Week 3 Nov - 8 Nov	Sessional Exams
5 Nov, 2025 9 Nov, 2025	Guru Nanak Dev Jayanti Sunday
3rd Week 13 Nov - 15 Nov	<ul style="list-style-type: none">• DNA- fingerprinting• Transgenic animals
16 Nov, 2025	Sunday
4th Week 20 Nov - 22 Nov	REVISION
23 Nov, 2025	Sunday
5th Week 24 November,2025 Onwards	University Examinations

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**Lesson Plan for the Odd Semester
(July to November, 2025)**

Name of the Teacher –Ms. Priya

Class – B.A II (3rd sem)

Subject – Zoology

Paper – Basics of Zoology

July, 2025 4th Week 25 July – 26 July	<ul style="list-style-type: none">• Introduction of Syllabus• Orientation clsas
27 July, 2025	Sunday
31 July	Shaheed Udham Singh Martyrdom Day

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**Lesson Plan for the Odd Semester
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Name of the Teacher –Ms. Priya

Class – B.A II (3rd sem)

Subject – Zoology

Paper – Basics of Zoology-III

August, 2025 1 st Week 1 Aug – 2 Aug	<ul style="list-style-type: none">• Introduction and characteristics of Human skeleton and bone• Axial and appendicular skeleton
3 Aug, 2025	Sunday
2 nd Week 8 Aug	<ul style="list-style-type: none">• Joints, cartilage and ligaments
9 Aug, 2025 10 Aug, 2025	Raksha Bandhan Sunday
15 Aug, 2025 16 Aug, 2025 17 Aug, 2025	Independence Day Janmashtmi Sunday
4 th Week 22 Aug - 23 Aug	<ul style="list-style-type: none">• Interaction between skeletal muscles and nerves• ABO and RH system in humans• Methods of determination
24 Aug, 2025	Sunday
5 th Week 29 Aug - 30 Aug	<ul style="list-style-type: none">• Importance and dangers of blood transfusion.• Human cell and chromosome : cell as unit of life
31 Aug, 2025	Sunday

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**Lesson Plan for the Odd Semester
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Name of the Teacher –Ms. Priya

Class – B.A II (3rd sem)

Subject – Zoology

Paper –Basics of Zoology III

September, 2025 1 st Week 5 Sept – 6 Sept	<ul style="list-style-type: none">• Morphology and functional elements of human chromosome• Sex determination: Definition
7 Sept, 2025	Sunday
2 nd Week 12 Sept – 13 Sept	<ul style="list-style-type: none">• Different types and scopes of sex determination• Respiration in humans: Anatomy and physiology
14 Sept, 2025	Sunday
3 rd Week 19 Sept – 20 Sept	<ul style="list-style-type: none">• Factors affecting change of gases and diffusing capacity• Introduction to Dental formula
21 Sept, 2025 22 Sept, 2025 23 Sept, 2025	Sunday Maharaja Agrasen Jayanti Shaheedi Divas/Haryana War Heroes' Martyrdom Day
4 th Week 26 Sept – 27 Sept	<ul style="list-style-type: none">• Types and development of tooth• Introduction to Darwinism, species and population
28 Sept, 2025	Sunday

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Lesson Plan for the Odd Semester (July to November, 2025)

Name of the Teacher –Ms. Priya

Class – B.A III(3rd sem)

Subject –Zoology

Paper – Basics of Zoology III

October, 2025 1 st Week 3 Oct – 4 Oct	<ul style="list-style-type: none">• Concept of evolution• Theory of Darwinism, Neo-Darwinism
2 Oct, 2025 5 Oct, 2025	Mahatma Gandhi Jayanti/Dussehra Sunday
2 nd Week 10 Oct - 11 Oct	<ul style="list-style-type: none">• Genetic drift• Hardy-Weinberg Law
7 Oct, 2025 12 Oct, 2025	Maharishi Valmiki Jayanti/Maharaja Ajmidh Jayanti Sunday
3 rd Week 17 Oct - 18 Oct	<ul style="list-style-type: none">• Human evolution• Origin and evolution
19 Oct – 26 Oct	Vacations (Diwali)
5 th Week 30 Oct- 31 Oct	<ul style="list-style-type: none">• Adaptive evolution

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Name of the Teacher –Ms. Priya

Class – B.A II (3rd sem)

Subject – Zoology

Paper –Basics of Zoology III

November, 2025 1 st Week 1 Nov,2025 2 Nov, 2025	Haryana Day Sunday
2 nd Week 3 Nov - 8 Nov	Sessional Exams
5 Nov, 2025 9 Nov, 2025	Guru Nanak Dev Jayanti Sunday
3 rd Week 14 Nov - 15 Nov	REVISION
16 Nov, 2025	Sunday
4 th Week 21 Nov - 22 Nov	REVISION
23 Nov, 2025	Sunday
5 th Week 24 November,2025 Onwards	University Examinations

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**Lesson Plan for the Odd Semester
(July to November, 2025)**

Name of the Teacher –Ms. Sushma

Class- B.Sc. I Life Science (Aided/ Biotech)

Subject –Zoology

Paper – Animal Diversity of Non - Chordates

July, 2025 4th Week 24 July – 26 July	<ul style="list-style-type: none">• General Introduction of Syllabus
27 July, 2025	Sunday
31 July	Shaheed Udham Singh Martyrdom Day

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Lesson Plan for the Odd Semester (July to November, 2025)

Name of the Teacher – Ms. Sushma

Class- B.Sc. I Life Science (Aided/ Biotech)

Subject – Zoology

Paper – Animal Diversity of Non - Chordates

August, 2025 1 st Week 1 Aug – 2 Aug	<ul style="list-style-type: none">• Orientation Class• General Characters and Classification of Protozoa
3 Aug, 2025	Sunday
2 nd Week 7 Aug – 8 Aug	<ul style="list-style-type: none">• Plasmodium vivax (Malaria Parasite)
9 Aug, 2025 10 Aug, 2025	Raksha Bandhan Sunday
3 rd Week 14 Aug	<ul style="list-style-type: none">• General Characters and Classification of Porifera
15 Aug, 2025 16 Aug, 2025 17 Aug, 2025	Independence Day Janmashtmi Sunday
4 th Week 21 Aug - 23 Aug	<ul style="list-style-type: none">• Canal system and histology of SYCON• Skeleton and Physiology of SYCON• Reproduction of SYCON
24 Aug, 2025	Sunday
5 th Week 28 Aug - 30 Aug	<ul style="list-style-type: none">• General Characters and Classification of Coelenterata• Introduction and Morphology of OBELIA• Polymorphism in OBELIA
31 Aug, 2025	Sunday

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Class- B.Sc. I Life Science (Aided/ Biotech)

Subject – Zoology

Paper – Animal Diversity of Non - Chordates

September, 2025 1 st Week 4 Sept – 6 Sept	<ul style="list-style-type: none">• Physiology ,Reproduction and life history of OBELIA• General Characters and Classification of Platyhelminthes• Morphology and Physiology of FASCIOLA HEPATICA• Reproduction system and Development
7 Sept , 2025	Sunday
2 nd Week 11 Sept – 13 Sept	<ul style="list-style-type: none">• Nature of life history of FASICOLA HEPATICA• General Characters and Classification of Aschelminthes• General Characters and Classification of Annelida
14 Sept , 2025	Sunday
3 rd Week 18 Sept – 20 Sept	<ul style="list-style-type: none">• Earthworm : External characters and coelom• Digestive and Respiratory system• Circulatory ,Excretory ,Nervous system
21 Sept, 2025 22 Sept, 2025 23 Sept, 2025	Sunday Maharaja Agrasen Jayanti Shaheedi Divas/Haryana War Heroes' Martyrdom Day
4 th Week 25 Sept – 27 Sept	<ul style="list-style-type: none">• Reproductive system of earthworm• General Characters and Classification of Arthropoda• External morphology of cockroach
28 Sept, 2025	Sunday

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Name of the Teacher – Ms. Sushma

Class – B.Sc. I Life Science (Aided/ Biotech)

Subject – Zoology

Paper – Animal Diversity of Non - Chordates

October, 2025 1 st Week 2 Oct – 4 Oct	<ul style="list-style-type: none">• COCKROACH: Digestive ,respiratory system• Circulatory, Excretory Nervous system• Sense organs ,Reproductive system
2 Oct, 2025 5 Oct, 2025	Mahatma Gandhi Jayanti/Dussehra Sunday
2 nd Week 9 Oct - 11 Oct	<ul style="list-style-type: none">• General Characters and Classification of Mollusca• PILA GLOBOSA: External morphology and Mantle• Digestive, Respiratory system• Blood vascular ,Excretory system
7 Oct, 2025 12 Oct, 2025	Maharishi Valmiki Jayanti/Maharaja Ajmidh Jayanti Sunday
3 rd Week 16 Oct - 18 Oct	<ul style="list-style-type: none">• Nervous system , Reproductive system• General Characters and Classification of Echinodermata• ASTERIAS :External Characters• Digestive system
19 Oct – 26 Oct	Vacations (Diwali)

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Class- SB.Sc. I Life Science (Aided/ Biotech)

Subject – Zoology

Paper – Animal Diversity of Non - Chordates

November, 2025 1 st Week 1 Nov,2025 2 Nov, 2025	Haryana Day Sunday
2 nd Week 3 Nov - 8 Nov	Sessional Exams
5 Nov, 2025 9 Nov, 2025	Guru Nanak Dev Jayanti Sunday
3 rd Week 13 Nov - 15 Nov	<ul style="list-style-type: none">• CLASS TEST AND REVISION
16 Nov, 2025	Sunday
4 th Week 17 Nov - 22 Nov	<ul style="list-style-type: none">• EXTERNAL PRACTICAL EXAMINATIONS
23 Nov, 2025	Sunday
5 th Week 24 November,2025 Onwards	University Examinations

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KARNAL**

**Lesson Plan for the Odd Semester
(July to November, 2025)**

Name of the Teacher —Ms. Sushma

Class – B.A Ist year

Subject — Zoology

Paper – Basics of zoology I

July, 2025 4th Week 22 July	<ul style="list-style-type: none">• Introduction of Syllabus
27 July, 2025	Sunday
5th Week 28 July – 29 July	<ul style="list-style-type: none">• Orientation class
31 July	Shaheed Udham Singh Martyrdom Day

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Lesson Plan for the Odd Semester (July to November, 2025)

Name of the Teacher –Ms. Sushma

Class – B.A Ist year

Subject – Zoology

Paper – Basics of zoology I

3 Aug, 2025	Sunday
2 nd Week 4 Aug – 5 Aug	<ul style="list-style-type: none">• Zoology: Definition and its scope• Introduction to Animal Kingdom• Animal Character
9 Aug, 2025 10 Aug, 2025	Raksha Bandhan Sunday
3 rd Week 11 Aug - 12 Aug	<ul style="list-style-type: none">• Non-chordates and Invertebrates with examples• Invertebrate phyla• Introduction of basic characters of animal with special reference to the non chordates
15 Aug, 2025 16 Aug, 2025 17 Aug, 2025	Independence Day Janmashtmi Sunday
4 th Week 18 Aug - 19 Aug	<ul style="list-style-type: none">• Biodiversity: Introduction and scope• General character of Protozoa and Porifera
24 Aug, 2025	Sunday
5 th Week 25 Aug - 26 Aug	<ul style="list-style-type: none">• Study of Amoeba and Sponges with reference to its structure and economic importance
31 Aug, 2025	Sunday

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Class – B.A Ist year

Subject – – Zoology

Paper – Basics of zoology I

September, 2025 1st Week 1 Sept – 2 Sept	<ul style="list-style-type: none">• General character of Coelenterata and Annelida• Ecological importance of corals
7 Sept , 2025	Sunday
2nd Week 8 Sept – 9 Sept	<ul style="list-style-type: none">• Morphology of earthworm, its ecological role• Economic importance of Leech
14 Sept , 2025	Sunday
3rd Week 15 Sept – 16 Sept	<ul style="list-style-type: none">• General character of Arthropoda• General character of Mollusca
21 Sept, 2025	Sunday
22 Sept, 2025	Maharaja Agrasen Jayanti
23 Sept, 2025	Shaheedi Divas/Haryana War Heroes' Martyrdom Day
28 Sept, 2025	Sunday
5th Week 29 Sept – 30 Sept, 2025	<ul style="list-style-type: none">• Study of basic characters of insects and snails• Insects as pest: Grasshopper

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Name of the Teacher —Ms. Sushma

Class – B.A Ist year

Subject — Zoology

Paper – Basics of zoology I

2 Oct, 2025 5 Oct, 2025	Mahatma Gandhi Jayanti/Dussehra Sunday
2 nd Week 6 Oct - 7 Oct	<ul style="list-style-type: none">• Economic importance of Honey Bee• Snails as pest in Paddy fields
7 Oct, 2025 12 Oct, 2025	Maharishi Valmiki Jayanti/Maharaja Ajmidh Jayanti Sunday
3 rd Week 13 Oct - 14 Oct	<ul style="list-style-type: none">• General character of Echinodermata• Study of basic character of Star fish
19 Oct – 26 Oct	Vacations (Diwali)
5 th Week 27 Oct- 28 Oct	<ul style="list-style-type: none">• Star fish: Role in ecosystem• Economic importance of star fish

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Name of the Teacher —Ms. Sushma

Class – B.A Ist year

Subject — Zoology

Paper – Basics of zoology I

November, 2025 1 st Week 1 Nov,2025 2 Nov, 2025	Haryana Day Sunday
2 nd Week 3 Nov - 8 Nov	Sessional Exams
5 Nov, 2025 9 Nov, 2025	Guru Nanak Dev Jayanti Sunday
3 rd Week 10 Nov - 11 Nov	Revision of syllabus
16 Nov, 2025	Sunday
4 th Week 17 Nov - 18 Nov	Class test
23 Nov, 2025	Sunday
5 th Week 24 November,2025 Onwards	University Examinations

**KUMARI VIDYAVATI ANAND D.A.V. COLLEGE FOR WOMEN,
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**Lesson Plan for the Odd Semester
(July to November, 2025)**

Name of the Teacher –Ms. Sushma

Class –BCA I

Subject – Zoology

Paper – Environmental Studies

July, 2025 4th Week 23 July – 24 July	<ul style="list-style-type: none">• Introduction to basics of environmental studies
27 July, 2025	Sunday
5th Week 30 July	<ul style="list-style-type: none">• Orientation classes.• Orientation programme.
31 July	Shaheed Udham Singh Martyrdom Day

KUMARI VIDYAVATI ANAND D.A.V. COLLEGE FOR WOMEN, KARNAL

Lesson Plan for the Odd Semester (July to November, 2025)

Name of the Teacher – Ms. Sushma

Class – BCA I

Subject – Zoology

Paper – Environmental Studies

August, 2025 1 st Week 6 Aug – 7 Aug	Introduction to environmental studies:- <ul style="list-style-type: none">• Multidisciplinary nature of environmental studies• Scope and importance.
3 Aug, 2025	Sunday
2 nd Week 13 Aug – 14 Aug	Introduction to environmental studies:- <ul style="list-style-type: none">• Concept of sustainability and sustainable development. Ecosystems:- <ul style="list-style-type: none">• Definition, structure and function of ecosystem.
9 Aug, 2025 10 Aug, 2025	Raksha Bandhan Sunday
3 rd Week 20 Aug - 21 Aug	Ecosystems:- <ul style="list-style-type: none">• Energy flow in an ecosystem.• Food chains.• Food web.
15 Aug, 2025 16 Aug, 2025 17 Aug, 2025	Independence Day Janmashtmi Sunday
4 th Week 27 Aug - 28 Aug	Major ecosystem:- <ul style="list-style-type: none">• Types of major ecosystem.• Forest ecosystem, grassland ecosystem, desert ecosystem And aquatic ecosystem.
24 Aug, 2025	Sunday
31 Aug, 2025	Sunday

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**Lesson Plan for the Odd Semester
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Name of the Teacher – Ms. Sushma

Class – BCA I

Subject – Zoology

Paper – Environmental Studies

September, 2025 1 st Week 3 Sept – 4 Sept	Natural resources:- <ul style="list-style-type: none">• Renewable and non renewable resources.• Land resources.
7 Sept , 2025	Sunday
2 nd Week 10 Sept – 11 Sept	Natural resources:- <ul style="list-style-type: none">• Forest resources.• Water resources.
14 Sept , 2025	Sunday
3 rd Week 17 Sept – 18 Sept	Biodiversity and conservation:- <ul style="list-style-type: none">• Definition and its types.• Endangered and endemic species of India.
21 Sept, 2025 22 Sept, 2025 23 Sept, 2025	Sunday Maharaja Agrasen Jayanti Shaheedi Divas/Haryana War Heroes' Martyrdom Day
4 th Week 24 Sept – 25 Sept	Biodiversity and conservation:- <ul style="list-style-type: none">• Threats to biodiversity.• Habitat loss, poaching of wildlife, manmade conflicts.
28 Sept, 2025	Sunday

KUMARI VIDYAVATI ANAND D.A.V. COLLEGE FOR WOMEN, KARNAL

Lesson Plan for the Odd Semester (July to November, 2025)

Name of the Teacher – Ms. Sushma

Class – BCA I

Subject – Zoology

Paper – Environmental Studies

October, 2025 1 st Week 1 October	Conservation of biodiversity:- <ul style="list-style-type: none">• In-situ and ex-situ conservation.• Ecosystem and biodiversity services.
2 Oct, 2025 5 Oct, 2025	Mahatma Gandhi Jayanti/Dussehra Sunday
2 nd Week 8 Oct – 9 Oct	Environmental pollution: <ul style="list-style-type: none">• Types, causes, effects and controls.• Air and water pollution.
7 Oct, 2025 12 Oct, 2025	Maharishi Valmiki Jayanti/Maharaja Ajmidh Jayanti Sunday
3 rd Week 15 Oct – 16 Oct	Environmental pollution: <ul style="list-style-type: none">• Soil and noise pollution.• Solid waste management
19 Oct – 26 Oct	Vacations (Diwali)
5 th Week 29 Oct- 30 Oct	Environmental policies and practices:- <ul style="list-style-type: none">• Environmental laws and protection act 1986.• Air act 1981.• Water act 1974.

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November, 2025 1 st Week 1 Nov, 2025 2 Nov, 2025	Haryana Day Sunday
2 nd Week 3 Nov - 8 Nov	Sessional Exams
5 Nov, 2025 9 Nov, 2025	Guru Nanak Dev Jayanti Sunday
3 rd Week 12 Nov - 13 Nov	Human communities and the environment:- <ul style="list-style-type: none">• Human population growth-human health and welfare.• Resettlement and rehabilitation of project affected person.
16 Nov, 2025	Sunday
4 th Week 19 Nov - 20 Nov	Disaster management:- <ul style="list-style-type: none">• Floods, earthquake, cyclones.• Landslides and drought.• Environmental ethics.
23 Nov, 2025	Sunday
5 th Week 24 November, 2025 Onwards	University Examinations

