

KVA DAV College for Women, Karnal

Lesson plan for the odd semester (October, 2021 to February, 2022)

Name of the Teacher – Dr. Manju Bala Sharma

Subject- Life and Diversity from Protozoa to Porifera and Cell Biology 1

Paper- 1

Class- B.Sc 1st Medical

October, 2021 2 nd Week 11 Oct-13 Oct	<ul style="list-style-type: none">• Introduction of Phylum Protozoa• Introduction of Phylum Protozoa(continued...)• Characteristics of Protozoa
15 Oct, 2021 17 Oct, 2021	(Dussehra) Sunday
3 th Week 18 Oct-20 Oct	<ul style="list-style-type: none">• Classification of protozoa(Sub phylum : Sarco-mastigophora)• Classification of Protozoa(Sporozoa,cnidospora & Ciliphora)• Biodiversity and Economic Importance
20 Oct, 2021 24 Oct, 2021	Maharishi Valmiki Jayanti Sunday
4 th Week 25 Oct-27 Oct	<ul style="list-style-type: none">• Life cycle of <i>Plasmodium vivax</i>: Asexual & sexual• Protozoa in general : Parasitic protozoa(<i>Entamoeba</i>,<i>Trypanasoma</i>)
31 Oct, 2021	Sunday
November, 2021 1 st Week	(Haryana Day) Diwali Holidays

1 Nov-7 Nov	
2nd Week 8 Nov-10 Nov	<ul style="list-style-type: none"> • Parasitic protozoa(<i>Leishmania, Giardia</i>) • Introduction of phylum Porifera • Characteristics of porifera
14 Nov, 2021	Sunday
3 rd Week 15 Nov-17Nov	<ul style="list-style-type: none"> • Classification of phylum porifera • Canal system in Sycon • Significance of Canal System
21 Nov, 2021	Sunday
4 th Week 22 Nov-24 NOV	<ul style="list-style-type: none"> • Histology of Sycon • Skeleton of Sycon

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Subject- Life and Diversity from Protozoa to Porifera and Cell Biology 1

Paper- 1

Class- B.Sc 1st Medical

28 Nov, 2021	Sunday
Dec, 2021 1 st Week	<ul style="list-style-type: none"> • Physiology of Sycon (nutrition) • Physiology of Sycon (excretion, nervous system)

29 Nov-1 DEC	
05 Dec, 2021	Sunday
2 nd Week 06 Dec -08 Dec	<ul style="list-style-type: none"> • Reproduction in Sycon • Embryology and metamorphosis
12 Dec,2021	Sunday
3 rd week 13 Dec -15 Dec	<ul style="list-style-type: none"> • Introduction of Canal System • Types of Canal system • Skeleton in sponges
19 Dec,2021	Sunday
4 th Week 20 Dec-22 Dec	<ul style="list-style-type: none"> • Biodiversity and Economic Importance • Plasma Membrane: Definition,Structural models of plasma membrane
25 Dec,2021	Christmas
26 Dec,2021	Sunday
5 th Week	

27 Dec -29 DEC	<ul style="list-style-type: none"> • Modification of Plasma membrane • Properties of plasma membrane(Active and passive) • Endoplasmic Reticulum (Discovery, definition and occurrence)
2 Jan ,2022	Sunday
Jan ,2022 1 st week 3 Jan – 5Jan	<ul style="list-style-type: none"> • Endoplasmic Reticulum (Types and Ultrastructure) • Function of Endoplasmic Reticulum
9 Jan ,2022	Sunday (Sh. Guru Gobind Singh's Birthday)

KVA DAV College for Women, Karnal

Lesson plan for the odd semester (October, 2021 to February, 2022)

Name of the Teacher -Dr. Manju Bala Sharma

Subject- Life and Diversity from Protozoa to Porifera and Cell Biology 1

Paper- 1

Class- B.Sc 1st Medical

2 nd week 10 Jan – 12 Jan	<ul style="list-style-type: none"> • Study of Lysosomes (Discovery, Definition and ultrastructure) • Polymorphism in lysosomes
16 Jan ,2022	Sunday
3 rd week 17 Jan – 19 Jan	<ul style="list-style-type: none"> • Biogenesis and function of Lysosomes • Study of Mitochondria (Discovery, Definition and Ultrastructure)

23 Jan ,2022	Sunday
4 th Week 24 Jan – 26 Jan	<ul style="list-style-type: none"> • Mitochondria :Function, Biogenesis • Microfilaments: Discovery, Definition,Ultrastructure and function
26 Jan, 2022	Republic Day
30 Jan ,2022	Sunday
Feb, 2021 1 st week 1 Feb-2Feb	<ul style="list-style-type: none"> • Microtubules : Discovery, Definition,Ultrastructure ,function • Cilia : Discovery, Definition, Ultrastructure and function
5 Feb, 2022	Vasant Panchmi
6 Feb ,2022	Sunday
2 nd week 7 Feb- 9 Feb	<ul style="list-style-type: none"> • Flagella : Discovery, Definition, Ultrastructure and function

13 Feb ,2022	Sunday
3 rd week 14 Feb- 16 Feb	<ul style="list-style-type: none"> • Revision

KVA DAV College for Women, Karnal

Lesson plan for the odd semester (October, 2021 to February, 2022)

Name of the Teacher – Ms. Neha

Subject- Life and Diversity from Coelenterata to Helminthes and Cell Biology 2

Paper- 2

Class- B.Sc 1st Medical

October, 2021 2 rd Week 14 Oct-16 Oct	<ul style="list-style-type: none"> • Introduction of Phylum Coelenterata • Characteristics of Coelenterata
15 Oct, 2021 17 Oct, 2021	(Dussehra) Sunday
3 th Week 21 Oct-23 Oct	<ul style="list-style-type: none"> • Classification of Coelenterata (Class :Hydrasoa) • Classification of Coelenterata (Class :Scyphozoa) • Classification of Coelentrata (Class: Anthozoa)

20 Oct, 2021	Maharishi Valmiki Jayanti
24 Oct, 2021	Sunday
4 th Week 28 Oct-30 Oct	<ul style="list-style-type: none"> • Biodiversity and Economic Importance • External anatomy of <i>Obelia</i>
31 Oct, 2021	Sunday
November, 2021	
1 st Week 1 Nov-7 Nov	(Haryana Day) Diwali Holidays
2nd Week 11 Nov-13 Nov	<ul style="list-style-type: none"> • Polymorphism of <i>Obelia</i> • Study of Polyps
14 Nov, 2021	Sunday
3 rd Week 18 Nov-20 Nov	<ul style="list-style-type: none"> • Study of Medusae • Physiology of <i>Obelia</i> Colony • Polymorphism in General
21 Nov, 2021	Sunday
4 th Week 25 Nov-27 Nov	<ul style="list-style-type: none"> • Coral reefs • Economic importance of coelentrata

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KVA DAV College for Women, Karnal

Lesson plan for the odd semester (October, 2021 to February, 2022)

Name of the Teacher – Ms. Neha

Subject- Life and Diversity from Coelenterata to Helminthes and Cell Biology 2

Paper- 2

Class- B.Sc 1st Medical

28 Nov, 2021	Sunday
Dec, 2021 1 st Week 02 Dec-04 Dec	<ul style="list-style-type: none"> • Introduction of Phylum Platyhelminthes • Characteristics of Platyhelminthes • Classification of Platyhelminthes (Class : Turbellaria& Trematoda)
05 Dec, 2021	Sunday
2 nd Week 09 Dec -11 Dec	<ul style="list-style-type: none"> • Classification of Platyhelminthes (Class : Cestoda) • Biodiversity and Economic Importance • External anatomy of <i>Fasciola Hepatica</i>
12 Dec,2021	Sunday
3 rd week 16 Dec -18 Dec	<ul style="list-style-type: none"> • Digestive system of <i>Fasciola Hepatica</i> • Respiratory system of <i>Fasciola Hepatica</i> • Excretory system of <i>Fasciola Hepatica</i>

19 Dec,2021	Sunday
4 th Week 23 Dec-24 Dec	<ul style="list-style-type: none"> • Nervous system of <i>Fasciola Hepatica</i> • Reproductive system of <i>Fasciola Hepatica</i>
25 Dec,2021	Christmas
26 Dec,2021	Sunday
5 th Week 30 Dec -01 Jan	<ul style="list-style-type: none"> • Development and Life History (Larval stages) • Parasitic Adaptations & economic importance
2 Jan ,2022	Sunday
Jan ,2022 1 st week 06 Jan –08 Jan	<ul style="list-style-type: none"> • Introduction of Phylum Aschelminthes • Characteristics of Aschelminthes • Classification of Aschelminthes (Sub-class: Aphasmdia & Phasmdia) • Classification of Aschelminthes (Sub-class: Aphasmdia & Phasmdia)
9 Jan ,2022	Sunday(Sh. Guru Gobind Singh's Birthday)

Lesson plan for the odd semester (October, 2021 to February, 2022)

Name of the Teacher – Ms. Neha

Subject- Life and Diversity from Coelenterata to Helminthes and Cell Biology 2

Paper-2

Class- B.Sc 1st Medical

<p>2nd week 13 Jan – 15 Jan</p>	<ul style="list-style-type: none">• Study of Nucleus (Types, occurrence, structures and function)• Study of Nucleolus & Nucleoplasm (ultrastructure and functions)• Nuclear chromatin (structure and functions)
<p>16 Jan ,2022</p>	<p style="text-align: center;">Sunday</p>
<p>3rdweek 20 Jan – 22 Jan</p>	<ul style="list-style-type: none">• Chromosomes: Introduction and Chromosome cycle• Polytene chromosome• Lampbrush Chromosomes
<p>23 Jan ,2022</p>	<p style="text-align: center;">Sunday</p>
<p>4th Week 27 Jan – 29 Jan</p>	<ul style="list-style-type: none">• Cell reproduction: Mitosis• Cell reproduction: Meiosis-I• Cell reproduction: Meiosis-II

26 Jan, 2022	Republic Day
30 Jan ,2022	Sunday
Feb, 2021 1 st week 3 Feb-4 Feb	<ul style="list-style-type: none"> • Cancer Biology: Definition, characteristics • Types of cancers • Therapy
5 Feb, 2022	Vasant Panchmi
6 Feb ,2022	Sunday
2 nd week 10 Feb- 12 Feb	<ul style="list-style-type: none"> • Cellular basis of Immunity: Antigen, Antibodies, • Inflammatory response & types of immune system
13 Feb ,2022	Sunday
3 rd week 17 Feb- 19 Feb	<ul style="list-style-type: none"> • Revision

KVA DAV College for Women, Karnal

Lesson plan for the odd semester (October, 2021 to February, 2022)

Name of the Teacher – Ms. Jyoti

Subject- Life and Diversity of Chordates-1

Paper- 1

Class- B.sc.II. Medical

October, 2021	
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2 rd Week 11 Oct-13 Oct	<ul style="list-style-type: none"> • Introduction of Phylum Chordata :Origin and Evolutionary tree • Characteristics of Chordata • Classification of Chordata
15 Oct, 2021 17 Oct, 2021	(Dussehra) Sunday
3 th Week 18 Oct-20Oct	<ul style="list-style-type: none"> • Phylum Urochordata- Characteristics, Classification and affinities • Type study of Herdmania: External features • Type study of Herdmania: Digestive System, Circulatory System and Respiratory system • Sense or5gan, excretory system, Reproductive system •
20 Oct, 2021 24 Oct, 2021	Maharishi Valmiki Jayanti Sunday
4 th Week 25 Oct-27 Oct	<ul style="list-style-type: none"> • Introduction of Phylum Cephalochordata: Characteristics ,Classification and Affinities • Type study of Amphioxus: External features • Type study of Amphioxus: Digestive System
31 Oct, 2021	Sunday
November, 2021 1 st Week 1 Nov-7 Nov	(Haryana Day) Diwali Holidays
2nd Week 8 Nov-10 Nov	<ul style="list-style-type: none"> • Type study of Amphioxus : Circulatory system • Type study of Amphioxus : Respiratory system • Type study of Amphioxus: Excretory system and sense organs

	<ul style="list-style-type: none"> • Introduction of class Cyclostomata: Characteristics ,Classification and Affinities
14 Nov, 2021	Sunday
3 rd Week 15 Nov-17 Nov	<ul style="list-style-type: none"> • Type study of Petromyzon: External Features • Type study of Petromyzon: Digestive system • Type study of Petromyzon: Circulatory System and Respiratory System
21 Nov, 2021	Sunday
4 th Week 22 Nov-24	<ul style="list-style-type: none"> • Type study of System Petromyzon: Nervous System • Type study of Petromyzon: Sense organ (Ear), Sense organ (Eye and Olfactory organs)

KVA DAV College for Women, Karnal

Lesson plan for the odd semester (October, 2021 to February, 2022)

Name of the Teacher – Ms. Jyoti

Subject- Life and Diversity of Chordates-1

Paper-1

Class- B.sc.II. Medical

28 Nov, 2021	Sunday
Dec, 2021 1 st Week	<ul style="list-style-type: none"> • Type study of Petromyzon: Lateral line and Reproductive System and Ammocoetus Larva • Introduction of class Pisces: Characteristics Classification and Affinities

29 Nov-01 Dec	
05 Dec, 2021	Sunday
2 nd Week 06 Dec -08Dec	<ul style="list-style-type: none"> • Type Study of Labeo Rohita- External Features • Type Study of Labeo Rohita- Digestive System
12 Dec,2021	Sunday
3 rd week 13 Dec -15 Dec	<ul style="list-style-type: none"> • Type Study of Labeo Rohita: Respiratory System • Type Study of Labeo Rohita: Blood vascular System
19 Dec,2021	Sunday
4 th Week 20 Dec-22Dec	<ul style="list-style-type: none"> • Type Study of Labeo Rohita: Nervous System • Type Study of Labeo Rohita : Sense organs(ear)
25 Dec,2021	Christmas
26 Dec,2021	Sunday
5 th Week 27 Dec -29 Dec	<ul style="list-style-type: none"> • Type Study of Labeo Rohita : Sense organs –eye • Type Study of Labeo Rohita : Sense organs – Lateral line system

2 Jan ,2022	Sunday
Jan ,2022 1 st week 3 Jan – 5 Jan	<ul style="list-style-type: none"> • Type Study of Labeo Rohita :Excretory System • Type Study of Labeo Rohita : Reproductive System
9 Jan ,2022	Sunday (Sh. Guru Gobind Singh's Birthday)

KVA DAV College for Women, Karnal

Lesson plan for the odd semester (October, 2021 to February, 2022)

Name of the Teacher – Ms. Jyoti

Subject- Life and Diversity of Chordates-1

Paper- 1

Class- B.sc.II. Medical

2 nd week 10 Jan – 12 Jan	<ul style="list-style-type: none"> • Migration in fishes • Types of fish migration • Reason for migration
16 Jan ,2022	Sunday
3 rd week 17 Jan – 19 Jan	<ul style="list-style-type: none"> • Parental Care in Fishes • Types of parental care

23 Jan ,2022	Sunday
4 th Week 24 Jan – 26 Jan	<ul style="list-style-type: none"> • Scales in Fishes • Function of Scales in Fishes • Types of scales of fishes
26 Jan, 2022 30 Jan ,2022	Republic Day Sunday
Feb, 2021 1 st week 1 Feb-2 Feb	<ul style="list-style-type: none"> • Origin of fins • Types of fins • Comparative structure of paired fins
5 Feb, 2022 6 Feb ,2022	Vasant Panchmi Sunday
2 nd week 7 Feb- 9 Feb	<ul style="list-style-type: none"> • Class osteichthyes- characteristics • Classification • Economic importance of bony fishes

13 Feb ,2022	Sunday
3 rd week 14 Feb- 16 Feb	<ul style="list-style-type: none"> • Class chondrichthyes- characteristics • Classification • Economic importance of cartilaginous fishes • Revision of syllabus

KVA DAV College for Women, Karnal

Lesson plan for the odd semester (October, 2021 to February, 2022)

Name of the Teacher – Ms.Jyoti

Subject- Mammalian Physiology-1

Paper- 2

Class- B.S.s.II.Medical

October, 2021	Topics: Biochemistry
2 rd Week 14 Oct-16 Oct	<ul style="list-style-type: none"> • Introduction and scope • Biomolecule- Proteins: Introduction, definition • Structural model of proteins • Function of Proteins

15 Oct, 2021	(Dussehra)
17 Oct, 2021	Sunday
3th Week 21Oct-23 Oct	Topics: Carbohydrates <ul style="list-style-type: none">• Biomolecule- Carbohydrates• Introduction, Definition and Classification• Structure of Carbohydrates• Functions of Carbohydrates
20 Oct, 2021	Maharishi Valmiki Jayanti
24 Oct, 2021	Sunday

4 th Week 28 Oct-30 Oct	Topics: Lipids <ul style="list-style-type: none"> • Biomolecule- lipid • Introduction, definition and Classification • Structure of Lipid
31 Oct, 2021	Sunday
November, 2021 1 st Week 1 Nov-7 Nov	(Haryana Day) Diwali Holidays
2nd Week 11 Nov-13 Nov	Topics: Enzymes <ul style="list-style-type: none"> • Enzyme- Introduction, definition and Classification • Mechanism of action of Enzymes • Regulation of Enzymatic activity
14 Nov, 2021	Sunday
3 rd Week 18 Nov-20 Nov	Topics: Biophysics <ul style="list-style-type: none"> • Transport through Biomembranes- introduction • Types of transport • Transport mechanism
21 Nov, 2021	Sunday
4 th Week 25 Nov-27 NOV	Topics: Biophysics <ul style="list-style-type: none"> • Buffer system- introduction • Types of buffer system of body fluids

KVA DAV College for Women, Karnal

Lesson plan for the odd semester (October, 2021 to February, 2022)

Name of the Teacher – Ms. Jyoti

Subject- Mammalian Physiology-1

Paper- 2

Class- B.Sc.II.Medical

28 Nov, 2021	Sunday
Dec, 2021 1 st Week 2DEC -04 Dec	Topic:Nutrition <ul style="list-style-type: none">• Nutrition -Types of nutrition mechanism• Types of digestion• Types of Feeding mechanism
05 Dec, 2021	Sunday
2 nd Week 09 Dec -11 Dec	Topic:Nutrition <ul style="list-style-type: none">• Digestion of Carbohydrates• Lactose intolerance• Digestion of Protein
12 Dec,2021	Sunday
3 rd week 16 Dec -18 Dec	Topic:Nutrition <ul style="list-style-type: none">• Digestion of Fat• Absorption of nutrients: physio-chemical mechanism• Absorption of Carbohydrates
19 Dec,2021	Sunday
4 th Week 23dec-24 Dec	Topic:Nutrition <ul style="list-style-type: none">• Absorption of Amino acids• Absorption of Fats• Absorption of cholesterol

25 Dec,2021	Christmas
26 Dec,2021	Sunday
5 th Week 29 dec -01 Jan	Topic: Nutrition <ul style="list-style-type: none"> • Assimilation • Control of secretion • Hormonal control in digestion
2 Jan ,2022	Sunday
Jan ,2022 1 st week 6Jan – 8 Jan	Topic: Muscle Physiology <ul style="list-style-type: none"> • Introduction and definition • Types of Muscle • Ultrastructure of myofibrillar filaments
9 Jan ,2022	Sunday (Sh. Guru Gobind Singh's Birthday)

KVA DAV College for Women, Karnal

Lesson plan for the odd semester (October, 2021 to February, 2022)

Name of the Teacher – Ms. Jyoti

Subject- Mammalian Physiology-1

Paper- 2

Class- B.s.C.II.Medical

2 nd week 13 Jan – 15 Jan	Topic: Muscle Physiology <ul style="list-style-type: none"> • Characteristics of Muscles • Types of Muscle fibres
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	<ul style="list-style-type: none"> • Ultrastructure structure of myofibrillar filaments •
16 Jan ,2022	Sunday
3 rd week 20 Jan – 22 Jan	Topic: Muscle Physiology <ul style="list-style-type: none"> • Neuro- Muscular Junction • Theory of muscle contraction • Isotonic contraction • Isometric contraction
23 Jan ,2022	Sunday
4 th Week 27 Jan – 29 Jan	Topic: Muscle Physiology <ul style="list-style-type: none"> • Muscle fatigue • Single muscle twitch • Energy for muscle contaction
26 Jan, 2022	Republic Day
30 Jan ,2022	Sunday
Feb, 2021 1 st week 3Feb-4 Feb	Topic: Muscle Physiology <ul style="list-style-type: none"> • Physical changes in Muscle contraction • Chemical changes in Muscle contraction • Oxygen debt • Cori's cycle

5 Feb, 2022	Vasant Panchmi
6 Feb ,2022	Sunday
2 nd week 10 Feb- 12 Feb	<p>Topic: Bone and Bone disorders</p> <ul style="list-style-type: none"> • Characteristics of bone • Structure and types of bones • Effect of ageing on Skeleton
13 Feb ,2022	Sunday
3 rd week 17 Feb- 19 Feb	<p>Topic: Bone and Bone disorders</p> <ul style="list-style-type: none"> • Bone Growth and Resorption • Bone disorders • Types of bone disorder • Revision of syllabus

KVA DAV College for Women, Karnal

Lesson plan for the odd semester (October, 2021 to February, 2022)

Name of the Teacher – Ms. Neha

Subject- Environmental Biology

Paper- 1

Class- B.Sc 3rd Medical

October, 2021 2 nd Week 11 Oct-13 Oct	<ul style="list-style-type: none">• Introduction of ecology and Level of Organization• Environment: Abiotic Factors (continued...)
15 Oct, 2021 17 Oct, 2021	(Dussehra) Sunday
3 th Week 18 Oct-20 Oct	<ul style="list-style-type: none">• Environment: Abiotic Factors• Environment: Biotic Factors
20 Oct, 2021 24 Oct, 2021	Maharishi Valmiki Jayanti Sunday
4 th Week 25 Oct-27 Oct	<ul style="list-style-type: none">• Introduction, Definition and kinds of ecosystem• Component of Ecosystem and example of Ecosystem• Example of Ecosystem(continued...)
31 Oct, 2021	Sunday
November, 2021 1 st Week	(Haryana Day)

1 Nov-7 Nov	Diwali Holidays
2nd Week 8 Nov-10 Nov	<ul style="list-style-type: none"> • Trophic level, Food chain and food web • Energy flow in an Ecosystem
14 Nov, 2021	Sunday
3 rd Week 15 Nov-17 Nov	<ul style="list-style-type: none"> • Productivity • Introduction and types of biomes • Terrestrial Biomes Aquatic Biomes
21 Nov, 2021	Sunday
4 th Week 22 Nov-22 NOV	<ul style="list-style-type: none"> • Introduction and definitions and types of gaseous cycle • Types of gaseous cycle(Nitrogen cycle)

KVA DAV College for Women, Karnal

Lesson plan for the odd semester (October, 2021 to February, 2022)

Name of the Teacher – Ms.

Subject- Environmental Biology

Paper- 1

Class- B.Sc 3rd Medical

28 Nov, 2021	Sunday
Dec, 2021 1 st Week 29 Nov-01 Dec	<ul style="list-style-type: none"> • Types of Biochemical Cycles(Sedimentary Cycle) • Characteristics of population • Regulation of population
05 Dec, 2021	Sunday
2 nd Week 06 Dec -08 Dec	<ul style="list-style-type: none"> • Factors determining Growth rate of population • Methods to control overpopulation • Introduction and levels of biodiversity
12 Dec,2021	Sunday
3 rd week 13 Dec -15 Dec	<ul style="list-style-type: none"> • The IUCN Red List threat categories • Biodiversity conservation • In situ conservation and ex situ conservation
19 Dec,2021	Sunday
4 th Week 20 Dec-22 Dec	<ul style="list-style-type: none"> • Study of natural resources(renewable) • Study of classes of natural resources(non-renewable) • Conservation and management methods

25 Dec,2021	Christmas
26 Dec,2021	Sunday
5 th Week 27 Dec -29 DEC	<ul style="list-style-type: none"> • Migration in fishes • Types of migration • Reasons of migration
2 Jan ,2022	Sunday
Jan ,2022 1 st week 3 Jan – 5 Jan	<ul style="list-style-type: none"> • Migration in birds • Guiding mechanism in bird navigation
9 Jan ,2022	Sunday (Sh. Guru Gobind Singh's Birthday)

KVA DAV College for Women, Karnal

Lesson plan for the odd semester (October, 2021 to February, 2022)

Name of the Teacher – Ms.

Subject- Environmental Biology

Paper- 1

Class- B.Sc 3rd Medical

2 nd week 10 Jan – 12 Jan	<ul style="list-style-type: none"> • Parental care in fishes and reptiles • Parental care in birds and mammals
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16 Jan ,2022	Sunday
3 rd week 17 Jan – 19 Jan	<ul style="list-style-type: none"> • Parental care in birds and mammals • Definition, introduction of biotic community
23 Jan ,2022	Sunday
4 th Week 24 Jan – 26 Jan	<ul style="list-style-type: none"> • Characteristics of biotic community • Characteristics of biotic community(continued...)
26 Jan, 2022	Republic Day
30 Jan ,2022	Sunday
Feb, 2021 1 st week 1 Feb-3 Feb	<ul style="list-style-type: none"> • Interspecific Interaction and Intraspecific Interaction • Ecological succession • Ecological succession(continued...)
5 Feb, 2022	Vasant Panchmi
6 Feb ,2022	Sunday
2 nd week	

7 Feb- 9 Feb	<ul style="list-style-type: none"> • Introduction , definition and types of pollutants • Air pollution and its control • Water pollution and its control Soil pollution and its control
13 Feb ,2022	Sunday
3 rd week 14 Feb- 16 Feb	<ul style="list-style-type: none"> • Radioactive pollution and its management • Noise pollution and its ill effects

KVA DAV College for Women, Karnal

Lesson plan for the odd semester (October, 2021 to February, 2022)

Name of the Teacher – Dr. Manju Bala Sharma

Subject- Evolution and Developmental Biology

Paper- 2

Class- B.Sc 3rd Medical

October, 2021 2 nd Week 14 Oct-16 Oct	<ul style="list-style-type: none"> • Origin of Universe • Organic compounds, Coacervates
15 Oct, 2021	(Dussehra)

17 Oct, 2021	Sunday
3 th Week 21 Oct-23 Oct	<ul style="list-style-type: none"> • Biomolecules • Prokaryotes cells
20 Oct, 2021 24 Oct, 2021	Maharishi Valmiki Jayanti Sunday
4 th Week 28 Oct-30 Oct	<ul style="list-style-type: none"> • Oxygen Revolution • Eukaryotes cells
31 Oct, 2021	Sunday
November, 2021 1 st Week 1 Nov-7 Nov	(Haryana Day) Diwali Holidays
2 nd Week 11 Nov-13 Nov	<ul style="list-style-type: none"> • Historical Aspects of Evolution • Evidences of Organic Evolution – Morphological and Anatomical Evidences
14 Nov, 2021	Sunday
3 rd Week 18 Nov-20 Nov	<ul style="list-style-type: none"> • Embryological Evidences • Palaeontological Evidences • Biochemical or Physiological Evidences

21 Nov, 2021	Sunday
4 th Week 25 Nov-27 Nov	<ul style="list-style-type: none"> • Biogeographical Evidences • Cytological Evidences • Lamarckism

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Lesson plan for the odd semester (October, 2021 to February, 2022)

Name of the Teacher –Dr. Manju Bala Sharma

Subject- Evolution and Developmental Biology

Paper- 2

Class- B.Sc 3rd Medical

28 Nov, 2021	Sunday
Dec, 2021 1 st Week 2 Dec -04 Dec	<ul style="list-style-type: none"> • Darwinism • Mutation theory of Evolution • Natural Selection
05 Dec, 2021	Sunday
2 nd Week 09 Dec -11 Dec	<ul style="list-style-type: none"> • Brackish water culture: culture of fin fishes • Micro Evolution • Macro Evolution

12 Dec,2021	Sunday
3 rd week 16 Dec -18 Dec	<ul style="list-style-type: none"> • Mega-Evolution • Speciation • Types of natural selection
19 Dec,2021	Sunday
4 th Week 23 Dec-24 Dec	<ul style="list-style-type: none"> • Phylogeny of Horse (continued...) • Phylogeny of Horse • Human Evolution (continued....)
25 Dec,2021	Christmas
26 Dec,2021	Sunday
5 th Week 30 Dec -01 Jan	<ul style="list-style-type: none"> • Human Evolution • Historical Background of Developmental Biology • Gametogenesis and Gametes(spermatogenesis)
2 Jan ,2022	Sunday
Jan ,2022 1 st week 06 Jan –08 Jan	<ul style="list-style-type: none"> • Oogenesis • Fertilization • Parthenogenesis

9 Jan ,2022	Sunday (Sh. Guru Gobind Singh's Birthday)
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Lesson plan for the odd semester (October, 2021 to February, 2022)

Name of the Teacher –Dr. Manju Bala Sharma

Subject- Evolution and Developmental Biology

Paper- 2

Class- B.Sc 3rd Medical

2 nd week 13 Jan – 15 Jan	<ul style="list-style-type: none"> • Cleavage • Blastulation • Development of Frog (Blastula) • Development of Frog (Gastrula)
16 Jan ,2022	Sunday
3 rd week 20 Jan – 22 Jan	<ul style="list-style-type: none"> • Metamorphosis of frog • Development of Chick – Blastulation
23 Jan ,2022	Sunday
4 th Week 27 Jan – 29 Jan	<ul style="list-style-type: none"> • Development of Chick – Gastrulation • Embryonic Induction (Primary Organizers)

<p>26 Jan, 2022</p> <p>30 Jan ,2022</p>	<p>Republic Day</p> <p>Sunday</p>
<p>Feb, 2021</p> <p>1st week</p> <p>03 Feb-04 Feb</p>	<ul style="list-style-type: none"> • Extra-embryonic Membranes • Competence
<p>5 Feb, 2022</p> <p>6 Feb ,2022</p>	<p>Vasant Panchmi</p> <p>Sunday</p>
<p>2nd week</p> <p>10 Feb- 12 Feb</p>	<ul style="list-style-type: none"> • Determination and Differentiation • Repair and regeneration
<p>13 Feb ,2022</p>	<p>Sunday</p>
<p>3rd week</p> <p>17 Feb- 19 Feb</p>	<ul style="list-style-type: none"> • Revision