

# KVA DAV College for Women, Karnal

## Lesson Plan For The Even Semester

(February to May, 2023)

Name of the Teacher – Dr. Manju Bala Sharma

Class- B.Sc. I

Subject- Zoology

Paper- Aquaculture and Pest management-I

February, 2023 1 <sup>st</sup> Week 1 Feb - 4 Feb	<ul style="list-style-type: none"><li>• Introduction to world fisheries : Production , utilization and demand</li><li>• Fresh water fishes of india: River system and reservoir</li></ul>
5 Feb, 2023	<b>Guru Ravidas Jayanti , Sunday</b>
2 <sup>nd</sup> Week 9Feb - 11 Feb	<ul style="list-style-type: none"><li>• Fresh water fishes of India: Pond and tank fisheries</li><li>• Cold water Fisheries</li></ul>
12 Feb, 2023	<b>Sunday</b>
3 <sup>rd</sup> Week 16Feb - 17 Feb	<ul style="list-style-type: none"><li>• Fishing crafts</li><li>• Fishing gears</li></ul>
18 Feb, 2023 19 Feb, 2023	<b>Maha Shivaratri Sunday</b>
4 <sup>th</sup> Week 23 Feb - 25 Feb	<ul style="list-style-type: none"><li>• Fin fishes ,crustaceans</li><li>• Mollusca and their culture</li></ul>
26 Feb, 2023	<b>Sunday</b>
March, 2023 1 <sup>st</sup> Week 2March - 4 March	<ul style="list-style-type: none"><li>• Study of Insect pest of Sugarcane: leaf hopper (<i>Pyrilla perpusilla</i>)</li><li>• Study of Insect pest of Sugarcane: Whitefly( <i>Aleurolobus barodensis</i>)</li></ul>

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Class- B.Sc. I

Subject- Zoology

Paper- Aquaculture and Pest management -I

<b>2<sup>nd</sup> Week</b> <b>5 March -</b> <b>12 March, 2023</b>	<b>Holi Break</b>
<b>3<sup>rd</sup> Week</b> <b>13 March -</b> <b>18 March</b>	<ul style="list-style-type: none"><li>• Study of Insect pest of Sugarcane: Top borer (<i>Scirpophaga nivella</i>)</li><li>• Study of Insect pest of Sugarcane: Root borer (<i>Emmalocera depresella</i>)</li></ul>
<b>19 March, 2023</b>	<b>Sunday</b>
<b>4<sup>th</sup> Week</b> <b>24 March -</b> <b>25 March</b>	<ul style="list-style-type: none"><li>• Study of Insect pest of Sugarcane: Gurdaspur borer(<i>Bissetia steniellus</i>)</li><li>• Study of Insect pest of Cotton: Pink ballworm(<i>Pectinophora gossypiella</i>)</li></ul>
<b>23 March, 2023</b>	<b>Shaheedi Diwas/Martyrdom Day of Bhagat Singh, Rajguru &amp; Sukhdev</b>
<b>26 March, 2023</b>	<b>Sunday</b>
<b>30 March, 2023</b>	<b>Ram Navmi</b>
<b>5<sup>th</sup> Week</b> <b>31 March</b>	<ul style="list-style-type: none"><li>• Study of Insect pest of Cotton: Red cotton bug (<i>Dysdercus cingulatus</i>)</li><li>• Study of Insect pest of Cotton : Cotton grey weevil(<i>Mylokerus undecimpustulatus</i>)</li></ul>

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Name of the Teacher – Dr. Manju Bala Sharma

Class- B.Sc. I

Subject- Zoology

Paper- Aquaculture and Pest Management-I

April, 2023 1 <sup>st</sup> Week 1 April, 2023	<ul style="list-style-type: none"><li>Study of Insect pest of wheat: Wheat stem borer(<i>Sesamia inferens</i>)</li><li>Study of Insect pest of Paddy: Gundhi bug(<i>Leptocorisa acuta</i>)</li></ul>
2 April, 2023	<b>Sunday</b>
2 <sup>nd</sup> Week 3 April - 8 April	<ul style="list-style-type: none"><li>Study of Insect pest of Paddy: Rice grasshopper(<i>Hieroglyphus banian</i>)</li><li>Study of Insect pest of Paddy: Rice stem Borer(<i>Scirpophaga incertulus</i>)</li></ul>
4 April, 2023 9 April, 2023	<b>Mahavir Jayanti</b> <b>Sunday</b>
3 <sup>rd</sup> Week 10 April - 15 April	<ul style="list-style-type: none"><li>Study of Insect pest of Paddy: Rice hispa (<i>Diceladyspa armigera</i>)</li><li>Study of Insect pest of vegetables: Red pumpkin beetle(<i>Raphidopalpa faveicolis</i>)</li></ul>
14 April, 2023 16 April, 2023	<b>Vaisakhi/Dr. B.R. Ambedkar Jayanti</b> <b>Sunday</b>
4 <sup>th</sup> Week 17 April - 21 April	<b>Sessional Exams</b>
22 April, 2023 23 April, 2023	<b>Id-Ul-Fitr/Parshuram Jayanti</b> <b>Sunday</b>
5 <sup>th</sup> Week 24 April - 29 April	<ul style="list-style-type: none"><li>Study of Insect pest of vegetables: Pumpkin fruitfly( <i>Dacus cucurbitae</i>)</li></ul>
30 April, 2023	<b>Sunday</b>

# KVA DAV College for Women, Karnal

## Lesson Plan for Even Semester (February to May, 2023)

Name of the Teacher – Dr. Manju Bala Sharama

Class- B.Sc. I

Subject- Zoology

Paper- Aquaculture and Pest Management-I

May, 2023 1 <sup>st</sup> Week 1 May - 6 May	<ul style="list-style-type: none"><li>• Study of Insect pest of vegetables: vegetable mite(<i>Tetranychus telarius</i>)</li><li>• Study of Insect pest of vegetables: Hadda beetle( <i>Epilachna</i>)</li></ul>
7 May, 2023	<b>Sunday</b>
2 <sup>nd</sup> Week 8 May - 13 May	<ul style="list-style-type: none"><li>• Revision</li></ul>
14 May, 2023	<b>Sunday</b>
17 May, 2023 Onwards	<b>University Examinations</b>

# KVA DAV College for Women, Karnal

## Lesson plan for the Even semester (Feb to April,2023)

Name of the Teacher – Dr. Manju Bala Sharma

Subject- Life and Diversity from Mollusca to Hemichordata and Genetics II

Paper- II

Class- B.Sc I Medical

<b>February, 2023</b>  <b>1<sup>st</sup> Week</b>  <b>2 Feb - 4 Feb</b>	<ul style="list-style-type: none"><li>• Introduction of Phylum Mollusca</li><li>• Characteristics of Mollusca</li><li>• Classification of Mollusca</li><li>• Biodiversity and Economic Importance</li></ul>
<b>5 Feb, 2023</b>	<b>Guru Ravidas Jayanti</b>
<b>2<sup>nd</sup> Week</b>  <b>9 Feb - 11 Feb</b>	<ul style="list-style-type: none"><li>• External anatomy of <i>Pila Globosa</i></li><li>• Study of Digestive system, Respiratory system, Blood vascular system</li><li>• Study of Excretory system</li></ul>
<b>12 Feb, 2023</b>	<b>Sunday</b>
<b>3<sup>rd</sup> Week</b>  <b>16 Feb - 18 Feb</b>	<ul style="list-style-type: none"><li>• Study of Nervous system ,Sense organ, Reproductive system</li><li>• Torsion and Detorsion in Gastropoda</li><li>• Respiration and Foot</li></ul>
<b>4<sup>th</sup> week</b>  <b>23-25 Feb,2023</b>	<ul style="list-style-type: none"><li>• Introduction of Phylum Echinodermata</li><li>• Characteristics of Echinodermata</li><li>• External anatomy of Asterias, Digestive system, water vascular system, Circulatory system</li></ul>
<b>1<sup>st</sup> week</b>  <b>2-4 March,2023</b>	<ul style="list-style-type: none"><li>• Study of Respiratory and Excretory system,</li><li>• Nervous system and Sense Organs Echinoderm Larvae and Aristotle's lantern</li><li>• Classification and characteristics of phylum Hemichordata</li></ul>

<b>2<sup>nd</sup> week</b> <b>5-12 March, 2023</b>	<b>Holi Break</b>
<b>3<sup>rd</sup> week</b> <b>16 -18</b> <b>March, 2023</b>	<ul style="list-style-type: none"> <li>• External anatomy of <i>Balanoglossus</i>,</li> <li>• Study of Digestive system and Blood vascular system, excretory and nervous system</li> <li>• Study of sense organ and Reproductive system</li> </ul>
<b>19 March, 2023</b>	<b>Sunday</b>
<b>23 March, 2023</b>	<b>Shaheedi Diwas/Martyrdom Day of Bhagat Singh, Rajguru &amp; Sukhdev</b>
<b>4<sup>th</sup> ,week</b> <b>24-25</b> <b>March, 2023</b>	<ul style="list-style-type: none"> <li>• Multiple Allelism</li> <li>• Human Genetics</li> <li>• Inborn Errors of Metabolism in man</li> </ul>

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## Lesson plan for the Even semester (Feb to April,2023)

Name of the Teacher – Dr. Manju Bala Sharma

Subject- Life and Diversity from Mollusca to Hemichordata and Genetics II

Paper- II

Class- B.Sc I Medical

30 March, 2023	<b>Ram Navmi</b>
5 <sup>th</sup> week 29- 31March,2023	<ul style="list-style-type: none"><li>• Nature and structure of Genetic material</li><li>• Function of Genetic material</li></ul>
1 <sup>st</sup> Week 1 April, 2023	<ul style="list-style-type: none"><li>• Mutation –I (Gene Mutation)</li></ul>
2April,2023	<b>Sunday</b>
2 <sup>nd</sup> week 6-8 April,2023	<ul style="list-style-type: none"><li>• Mutation –II( Chromosomal aberration)</li><li>• Mutation –III (Numerical Chromosomal Mutations)</li></ul>
3 <sup>rd</sup> week 13- 15April,2023	<ul style="list-style-type: none"><li>• Applied Genetics</li></ul>
14 April, 2023	<b>Vaisakhi/Dr. B.R. Ambedkar Jayanti</b>
16 April, 2023	<b>Sunday</b>
4 <sup>th</sup> Week 17-21 April,2023	<b>Sessional Exams</b>
22 April, 2023	<b>Id-Ul-Fitr/Parshuram Jayanti</b>
23 April, 2023	<b>Sunday</b>
27-29 April,2023	<ul style="list-style-type: none"><li>• DNA Fingerprinting</li></ul>

# **KVA DAV College for Women, Karnal**

## **Lesson Plan for the Even Semester**

**(Feb to April,2023)**

**Name of the Teacher – Dr. Manju Bala Sharma**

**Subject- Life and Diversity from Mollusca to Hemichordata and Genetics II**

**Paper- II**

**Class- B.Sc I Medical**

<b>2<sup>nd</sup> Week</b> <b>4-6May,2023</b>	<ul style="list-style-type: none"><li>• Revision</li></ul>
<b>11-13May, 2023</b>	<b>Sunday</b>
<b>17 May, 2023</b> <b>Onwards</b>	<b>University Examinations</b>



# KVA DAV College for Women, Karnal

## Lesson Plan for the Even Semester (Feb to April,2023)

Name of the Teacher –Ms. Pragati

Class- B.Sc. III

Subject- Zoology

Paper- Aquaculture and Pest management-II

<b>2<sup>nd</sup> Week</b> <b>6 Feb -</b> <b>8Feb,2023</b>	<ul style="list-style-type: none"><li>• Fish seed : Definition</li><li>• Natural fish seed resources</li><li>• Riverine spawn resource investigation technique</li><li>• Hatchery seed production &amp; Artificial fertilization</li></ul>
<b>3<sup>rd</sup> Week</b> <b>13 Feb - 15 Feb</b>	<ul style="list-style-type: none"><li>• Fish feed: Introduction</li><li>• Feeding habits of fresh water fishes</li><li>• Artificial food</li></ul>
<b>4<sup>th</sup> Week</b> <b>20 Feb -</b> <b>23Feb,2023</b>	<ul style="list-style-type: none"><li>• Use of growth promoting Hormones for Fish Growth</li><li>• Techniques of Fish culture: Introduction</li><li>• Pond culcture, Pond maintenance, Running water culture</li></ul>
	<ul style="list-style-type: none"><li>• Recycled water culture</li><li>• Cage culture</li><li>• Polyculture</li></ul>
<b>26 Feb, 2023</b>	<b>Sunday</b>
<b>5<sup>th</sup> Week</b> <b>27 Feb - 28 Feb</b>	<ul style="list-style-type: none"><li>• Management and marketing of fishes and their production: Management of Fishery</li><li>• Economics of fish farming</li><li>• Latest advancements in Aquaculture technology: Biotechnology in Fisheries.</li></ul>

# KVA DAV College for Women, Karnal

## Lesson Plan For The Even Semester (February to May, 2023)

Name of the Teacher – Ms.Pragati

Class- B.Sc. III

Subject- Zoology

Paper- Aquaculture and Pest management-II

March, 2023 1 <sup>st</sup> Week 1 March ,2023	<ul style="list-style-type: none"><li>• Latest advancements in Aquaculture technology: Biotechnology in Fisheries</li><li>• Cryopreservation of Gametes</li><li>• Monosex culture</li></ul>
2 <sup>nd</sup> Week 5 March - 12 March, 2023	<b>Holi Break</b>
3 <sup>rd</sup> Week 13 -15 March,2023	<ul style="list-style-type: none"><li>• Sex reversal</li><li>• Hybridization, Transgenic Fish</li></ul>
19 March, 2023	<b>Sunday</b>
4 <sup>th</sup> Week 20 March - 22 March	<ul style="list-style-type: none"><li>• Insect pest: Pulse beetle(<i>Callosobruchus 10aculates</i>)</li><li>• Insect pest of stored grains : Insect pest: Rice weevil (<i>Trogoderma granarium</i>)</li></ul>
23 March, 2023	<b>Shaheedi Diwas/Martyrdom Day of Bhagat Singh, Rajguru &amp; Sukhdev</b>
26 March, 2023	<b>Sunday</b>
30 March, 2023	<b>Ram Navmi</b>
5 <sup>th</sup> Week 27 March - 29 March	<ul style="list-style-type: none"><li>• Insect pest: Grain and flour beetle(<i>Sitotroga cerealella</i>)</li></ul>

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## Lesson Plan For The Even Semester (February to May 2023)

Name of the Teacher – Ms.Pragati

Class- B.Sc. III

Subject- Zoology

Paper- Aquaculture and Pest management-II

April, 2023 1 <sup>st</sup> Week 1 April, 2023	<ul style="list-style-type: none"><li>Insect pest: Rust red flour beetle(<i>Tribolium castaneum</i>)</li></ul>
2 April, 2023	<b>Sunday</b>
2 <sup>nd</sup> Week 3 April – 8 April	<ul style="list-style-type: none"><li>Insect pest: Lesser grain borer(<i>Rhizopertha dominica</i>)</li></ul>
4 April, 2023 9 April, 2023	<b>Mahavir Jayanti</b> <b>Sunday</b>
3 <sup>rd</sup> Week 10 April - 15 April	<ul style="list-style-type: none"><li>Biological control of insects</li><li>Chemical control of insects</li></ul>
14 April, 2023 16 April, 2023	<b>Vaisakhi/Dr. B.R. Ambedkar Jayanti</b> <b>Sunday</b>
4 <sup>th</sup> Week 17 April - 21 April	<b>Sessional Exams</b>
22 April, 2023 23 April, 2023	<b>Id-Ul-Fitr/Parshuram Jayanti</b> <b>Sunday</b>
5 <sup>th</sup> Week 24 April - 26 April	<ul style="list-style-type: none"><li>Integrated pest management</li></ul>
30 April, 2023	<b>Sunday</b>

# KVA DAV College for Women, Karnal

## Lesson Plan for the Even Semester

(February to May, 2023)

Name of the Teacher – Ms.Pragati

Class- B.Sc. III

Subject- Zoology

Paper- Aquaculture and Pest management-II

May, 2023 1 <sup>st</sup> Week 1 May – 3 May	<ul style="list-style-type: none"><li>• Bird pest and their management</li><li>• Rodent pests and their management</li></ul>
7 May, 2023	<b>Sunday</b>
2 <sup>nd</sup> Week 8 May – 10 May	<ul style="list-style-type: none"><li>• Revision</li></ul>
14 May, 2023	<b>Sunday</b>
17 May, 2023 Onwards	<b>University Examinations</b>

# KVA DAV College for Women, Karnal

## Lesson Plan For The Even Semester (February to May, 2023)

Name of the Teacher – Ms.Pragati

Class- B.Sc.I

Subject- Zoology

Paper- Life and diversity of Annelids to Arthropods & Genetics-II

February, 2023 2 <sup>nd</sup> Week 6 Feb - 8 Feb	<ul style="list-style-type: none"><li>• Introduction of Phylum Annelida</li><li>• Characteristics of Annelida</li><li>• Classification of Annelida</li><li>• Biodiversity and Economic Importance</li></ul>
5 Feb, 2023	<b>Guru Ravidas Jayanti , Sunday</b>
3 <sup>rd</sup> Week 13 Feb - 15 Feb	<ul style="list-style-type: none"><li>• External anatomy of <i>Pheretima Posthuma</i></li><li>• Study of Digestive System</li><li>• Study of Circulatory system</li><li>• Study of Respiratory and Excretory system</li></ul>
12 Feb, 2023	<b>Sunday</b>
4 <sup>th</sup> Week 20 Feb - 23 Feb	<ul style="list-style-type: none"><li>• Study of Nervous system and Sense organ</li><li>• Study of Reproductive system</li><li>• Metamerism</li><li>• Trochophore larva</li></ul>
18 Feb, 2023 19 Feb, 2023	<b>Maha Shivaratri Sunday</b>
26Feb,2023	<b>Sunday</b>
27-28 Feb, 2023	<ul style="list-style-type: none"><li>• Introduction of Phylum Arthropoda</li><li>• Characteristics of Arthropoda</li><li>• Classification of Arthropoda</li><li>• Biodiversity and Economic Importance</li></ul>
2 <sup>nd</sup> Week 5 March - 12 March, 2023	<b>Holi Break</b>
March, 2023 3 <sup>rd</sup> Week 13March - 15 March	<ul style="list-style-type: none"><li>• External anatomy of <i>Poecilocus</i></li><li>• Digestive system</li><li>• Circulatory System</li><li>• Respiratory system &amp; Excretory system</li></ul>
19 March, 2023	<b>Sunday</b>

# KVA DAV College for Women, Karnal

## Lesson Plan For The Even Semester (February to May, 2023)

Name of the Teacher – Ms.Pragati

Class- B.Sc.I

Subject- Zoology

Paper- Life and diversity of Annelids to Arthropods & Genetics-II

4 <sup>th</sup> week 20 -22 march, 2023	<ul style="list-style-type: none"><li>• Nervous system</li><li>• Sense organ (Eye &amp; Ear)</li><li>• Reproductive system Element of Heredity and variation</li><li>• Mendel's law</li></ul>
23 March, 2023  26 March, 2023	<b>Shaheedi Diwas/Martyrdom Day of Bhagat Singh, Rajguru &amp; Sukhdev Sunday</b>
5 <sup>th</sup> Week 27 March - 31 March	<ul style="list-style-type: none"><li>• The variation of Gene intraction( Epistasis Gene and Complementary Gene)</li><li>• The variation of Gene intraction(Supplementary Gene and Polymeric Gene)</li></ul>
30 March, 2023	<b>Ram Navmi</b>
2 <sup>nd</sup> Week 3 April - 5April	<ul style="list-style-type: none"><li>• The variation of Gene intraction(Duplicate Gene and Lethal Gene)</li><li>• The variation of Gene intraction(Polygenic inheritance and Pleiotropy)</li><li>• Linkage</li><li>• Recombination</li></ul>

# KVA DAV College for Women, Karnal

## Lesson Plan For The Even Semester (February to May 2023)

Name of the Teacher – Ms.Pragati

Class- B.Sc.I

Subject-Zoology

Paper- Life and diversity of Annelids to Arthropods & Genetics-II

3 <sup>rd</sup> 10April, 2023 12 April, 2023	<ul style="list-style-type: none"><li>• Sex- linkage Inheritance</li><li>• Sex- linkage Inheritance (X- Linked)</li><li>• Sex- linkage Inheritance(sex limited Gene)</li></ul>
14 April, 2023 16 April, 2023	<b>Vaisakhi/Dr. B.R. Ambedkar Jayanti</b> <b>Sunday</b>
4 <sup>th</sup> Week 17 April - 21 April	<b>Sessional Exams</b>
22 April, 2023 23 April, 2023	<b>Id-Ul-Fitr/Parshuram Jayanti</b> <b>Sunday</b>
5 <sup>th</sup> Week 24- 26April,2023	<ul style="list-style-type: none"><li>• Extra chromosomal and Cytoplasmic inheritance</li></ul>

# **KVA DAV College for Women, Karnal**

## **Lesson Plan for the Even Semester**

**(February to May, 2023)**

**Name of the Teacher – Ms.Pragati**

**Class- B.Sc.I**

**Subject- Zoology**

**Paper-Life and diversity of Annelids to Arthropods & Genetics-II**

<b>7 May, 2023</b>	<b>Sunday</b>
<b>2<sup>nd</sup> Week 8 May - 13 May</b>	<ul style="list-style-type: none"><li>• Revision</li></ul>
<b>17 May, 2023 Onwards</b>	<b>University Examinations</b>



# KVA DAV College for Women, Karnal

## Lesson Plan For The Even Semester (February to May, 2023)

Name of the Teacher – Ms. Jyoti

Class- B.Sc. II

Subject- Zoology

Paper- Life and Diversity of chordates-II

February, 2023 1 <sup>st</sup> Week 1 Feb	<ul style="list-style-type: none"><li>• Introduction of class Amphibia:</li><li>• Origin and Evolutionary tree</li><li>• Classification &amp; Characteristics of Amphibia</li></ul>
5 Feb, 2023	<b>Guru Ravidas Jayanti , Sunday</b>
2 <sup>nd</sup> Week 6 Feb - 8 Feb	<ul style="list-style-type: none"><li>• Type study of <i>Rana tigrina</i>:</li><li>• External features</li><li>• Digestive System</li><li>• Respiratory system</li><li>• Circulatory System</li></ul>
12 Feb, 2023	<b>Sunday</b>
3 <sup>rd</sup> Week 13 Feb - 15 Feb	<ul style="list-style-type: none"><li>• Study of <i>Rana tigrina</i>:</li><li>• Excretory system and Reproductive system</li><li>• Nervous system, Eye (sense organ) Ear (sense organ)</li><li>• Parental care in Amphibian</li></ul>
18 Feb, 2023 19 Feb, 2023	<b>Maha Shivaratri Sunday</b>
4 <sup>th</sup> Week 20 Feb - 22 Feb	<ul style="list-style-type: none"><li>• Type study of <i>Hemidactylus</i>: External features, Digestive system, Respiratory system</li><li>• Type study of <i>Hemidactylus</i>:</li><li>• Circulatory System</li><li>• nervous system</li><li>• Sense organ (Ear, Eye and Olfactory organs)</li></ul>
26 Feb, 2023	<b>Sunday</b>
5 <sup>th</sup> Week 27 Feb - 28 Feb	<ul style="list-style-type: none"><li>• Type study of <i>Hemidactylus</i>:</li><li>• Sense organ (Ear, Eye and Olfactory organs)</li><li>• Poison apparatus of snakes</li><li>• Identification of Poisonous and non- poisonous snakes</li></ul>

# KVA DAV College for Women, Karnal

## Lesson Plan For The Even Semester (February to May, 2023)

Name of the Teacher – Ms.Jyoti

Class- B.Sc.II

Subject- Zoology

Paper- Life and Diversity of chordates-II

March, 2023 1 <sup>st</sup> Week 1 March	<ul style="list-style-type: none"><li>• Introduction of Class Aves:</li><li>• Characteristics</li><li>• Classification</li><li>• Affinities</li></ul>
2 <sup>nd</sup> Week 5 March - 12 March, 2023	<b>Holi Break</b>
3 <sup>rd</sup> Week 13 March - 15 March	Type Study of <i>Columba Livia</i> : External features, Muscular system, Digestive System, Respiratory system
19 March, 2023	<b>Sunday</b>
4 <sup>th</sup> Week 20 March - 22 March	<ul style="list-style-type: none"><li>• Type Study of <i>Columba Livia</i>:</li><li>• Blood vascular System, Nervous System,</li><li>• Sense organs (Eye &amp; Ear)</li></ul>
23 March, 2023	<b>Shaheedi Diwas/Martyrdom Day of Bhagat Singh, Rajguru &amp; Sukhdev</b>
26 March, 2023	<b>Sunday</b>
30 March, 2023	<b>Ram Navmi</b>
5 <sup>th</sup> Week 27 March - 29 March	<ul style="list-style-type: none"><li>• Type Study of <i>Columba Livia</i>:</li><li>• Excretory System</li><li>• Reproductive System</li></ul>

# KVA DAV College for Women, Karnal

## Lesson Plan For The Even Semester (February to May 2023)

Name of the Teacher – Ms. Pragati

Class- B.Sc. II

Subject- Zoology

Paper- Life and Diversity of chordates-II

April, 2023 1 <sup>st</sup> Week 1 April, 2023	<ul style="list-style-type: none"><li>• Migration in Aves</li><li>• Flight adaptation in birds-</li><li>• Physiological</li><li>• Morphological</li><li>• anatomical</li></ul>
2 April, 2023	<b>Sunday</b>
2 <sup>nd</sup> Week 4 April - 5 April	<ul style="list-style-type: none"><li>• Type Study of <i>Rattus rattus</i>:</li><li>• External features</li><li>• Digestive system</li><li>• Respiratory system</li></ul>
4 April, 2023 9 April, 2023	<b>Mahavir Jayanti</b> <b>Sunday</b>
3 <sup>rd</sup> Week 10 April - 12 April	<ul style="list-style-type: none"><li>• Type Study of <i>Rattus rattus</i>:</li><li>• Nervous system</li><li>• Sense organ</li><li>• Circulatory system</li></ul>
14 April, 2023 16 April, 2023	<b>Vaisakhi/Dr. B.R. Ambedkar Jayanti</b> <b>Sunday</b>
4 <sup>th</sup> Week 17 April - 19 April	<b>Sessional Exams</b>
22 April, 2023 23 April, 2023	<b>Id-Ul-Fitr/Parshuram Jayanti</b> <b>Sunday</b>
5 <sup>th</sup> Week 24 April - 26 April	<ul style="list-style-type: none"><li>• Type Study of <i>Rattus rattus</i>:</li><li>• Endocrine system</li><li>• Urinogenital system</li></ul>
30 April, 2023	<b>Sunday</b>

# KVA DAV College for Women, Karnal

## Lesson Plan for the Even Semester (February to May, 2023)

Name of the Teacher – MS. Jyoti

Class- B.Sc. II

Subject- Zoology

Paper- Life and Diversity of chordates-II

May, 2023 1 <sup>st</sup> Week 1 May - 3May	<ul style="list-style-type: none"><li>• Type Study of <i>Rattus rattus</i>:</li><li>• Adaptive Radiations of mammals</li><li>• Dentition in mammals</li></ul>
7 May, 2023	<b>Sunday</b>
2 <sup>nd</sup> Week 8 May - 10 May	<ul style="list-style-type: none"><li>• Revision</li></ul>
14 May, 2023	<b>Sunday</b>
17 May, 2023 Onwards	<b>University Examinations</b>

# KVA DAV College for Women, Karnal

## Lesson Plan For Even Semester (February to May, 2023)

Name of the Teacher –Ms. Jyoti

Class- B.Sc. II

Subject- Zoology

Paper- Mammalian Physiology-II

February, 2023 1 <sup>st</sup> Week 2 Feb - 4 Feb	Topic- Circulation <ul style="list-style-type: none"> <li>• Conduction of Heart beat and regulation</li> <li>• Cardiac cycle and Electrocardiogram</li> <li>• Blood pressure and cardiac output</li> </ul>
5 Feb, 2023	<b>Guru Ravidas Jayanti , Sunday</b>
2 <sup>nd</sup> Week 9 Feb - 11 Feb	Topic- Circulation <ul style="list-style-type: none"> <li>• Human blood and lymph</li> <li>• Blood coagulation</li> <li>• Haemopoiesis</li> </ul>
12 Feb, 2023	<b>Sunday</b>
3 <sup>rd</sup> Week 16Feb - 17 Feb	Topic- Respiration <ul style="list-style-type: none"> <li>• Type of respiration</li> <li>• Principle and mechanism of exchange of gases</li> <li>• Transport of respiratory gases in blood</li> <li>• Oxygen dissociation curve and control of Respiration</li> </ul>
18 Feb, 2023 19 Feb, 2023	<b>Maha Shivaratri Sunday</b>
4 <sup>th</sup> Week 23Feb - 25 Feb	Topic-Excretion <ul style="list-style-type: none"> <li>• Types of Excretory product</li> <li>• Excretory system of man</li> <li>• Structure of Nephron</li> <li>• Ornithine Cycle</li> </ul>
26 Feb, 2023	<b>Sunday</b>
5 <sup>th</sup> Week 27 Feb - 28 Feb	Topic-Excretion <ul style="list-style-type: none"> <li>• Composition of normal urine and micturition</li> <li>• Counter-current mechanism and osmoregulatory role of kidney</li> <li>• Neuron and types of nerve fibres, Nerve impulses</li> </ul>

# KVA DAV College for Women, Karnal

## Lesson Plan For Even Semester (February to May, 2023)

Name of the Teacher – Ms. Jyoti

Class- B.Sc. II

Subject- Zoology

Paper- Mammalian Physiology-II

March, 2023 1 <sup>st</sup> Week 2 March - 4 March	<ul style="list-style-type: none"><li>• Mechanism of Conduction of Nerve Impulse</li><li>• Propagation of a nerve impulse</li><li>• Conduction of nerve impulse through a synapse</li></ul>
2 <sup>nd</sup> Week 5 March - 12 March, 2023	<b>Holi Break</b>
3 <sup>rd</sup> Week 16 March - 18 March	<b>Topic- Nervous system</b> <ul style="list-style-type: none"><li>• Synaptic delay and synaptic fatigue</li><li>• interpretation of nerve impulses</li></ul>
19 March, 2023	<b>Sunday</b>
4 <sup>th</sup> Week 22 March - 25 March	Topic- Endocrinology <ul style="list-style-type: none"><li>• Hormones and its discovery</li><li>• function and properties</li></ul>
23 March, 2023 26 March, 2023	<b>Shaheedi Diwas/Martyrdom Day of Bhagat Singh, Rajguru &amp; Sukhdev</b> <b>Sunday</b>
30 March, 2023	<b>Ram Navmi</b>
5 <sup>th</sup> Week 30 March - 31 March	Topic- Endocrinology <ul style="list-style-type: none"><li>• Thyroid hormones</li><li>• Parathyroids</li><li>• Adrenal glands</li></ul>

# KVA DAV College for Women, Karnal

## Lesson Plan For Even Semester (February to May 2023)

Name of the Teacher – Ms. Jyoti

Class- B.Sc.II

Subject- Zoology

Paper- Mammalian Physiology-II

April, 2023 1 <sup>st</sup> Week 1 April, 2023	Topic- Endocrinology <ul style="list-style-type: none"><li>Hypothalamus</li><li>Pituitary gland Hormones</li><li>Mechanism of action of quick acting hormones and steroid hormones</li></ul>
2 April, 2023	<b>Sunday</b>
2 <sup>nd</sup> Week 6 April - 8 April	Topic- Reproduction <ul style="list-style-type: none"><li>Spermatogenesis</li><li>Oogenesis</li><li>Structure of gametes</li></ul>
4 April, 2023 9 April, 2023	<b>Mahavir Jayanti</b> <b>Sunday</b>
3 <sup>rd</sup> Week 12 April - 15 April	Topic- Reproduction <ul style="list-style-type: none"><li>Ovulation: mechanism of Ovulation</li><li>Corpus luteum</li><li>Menstrual cycle</li></ul>
14 April, 2023 16 April, 2023	<b>Vaisakhi/Dr. B.R. Ambedkar Jayanti</b> <b>Sunday</b>
4 <sup>th</sup> Week 20 April - 21 April	<b>Sessional Exams</b>
22 April, 2023 23 April, 2023	<b>Id-UI-Fitr/Parshuram Jayanti</b> <b>Sunday</b>
5 <sup>th</sup> Week 24 April - 29 April	Topic- Reproduction <ul style="list-style-type: none"><li>Oestrous cycle</li><li>Fertilization</li><li>Implantation</li></ul>
30 April, 2023	<b>Sunday</b>

# KVA DAV College for Women, Karnal

## Lesson Plan for Even Semester (February to May, 2023)

Name of the Teacher – Ms.Jyoti

Class- B.Sc. II

Subject-Zoology

Paper- Mammalian Physiology-II

May, 2023 1 <sup>st</sup> Week 4 May - 6 May	Topic- Reproduction <ul style="list-style-type: none"><li>• Gestation</li><li>• Parturition</li></ul>
7 May, 2023	<b>Sunday</b>
2 <sup>nd</sup> Week 10 May - 13 May	<ul style="list-style-type: none"><li>• Revision</li></ul>
14 May, 2023	<b>Sunday</b>
17 May, 2023 Onwards	<b>University Examinations</b>