

**Lesson Plan Format**  
**18 weeks (From January 2018 to April 2018)**

Name of Assistant /Associate Professor : Dr. Seema Devi  
 Class and Section : B.Sc. II Sem. - IV  
 Subject : Zoology Dept. University of Chodates

<b>Week 1(January 1-6)</b>	
<b>Chapter 1</b>	<u>Unit - I</u>
01/01/2018	<u>Amphibia - origin</u>
02/01/2018	<u>Evolutionary tree</u>
03/01/2018	<u>Type study of frog</u>
04/01/2018	<u>Characteristics of frog</u>
05/01/2018	<u>characteristics of frog</u>
06/01/2017	<u>frog</u>
<b>Week 2(January 8-13)</b>	
<b>Chapter</b>	
08/01/2018	<u>Parental case in Amphibia</u>
09/01/2018	<u>parental " " "</u>
10/01/2018	<u>Test</u>
11/01/2018	<u>Test</u>
12/01/2018	<u>Reptilia - Unit II</u>
13/01/2018	<u>Hemidactylus</u>
<b>Week 3(January 15-20)</b>	
<b>Chapter</b>	
15/01/2018	<u>Origin of lizard</u>
16/01/2018	<u>Evolutionary tree</u>
17/01/2018	<u>Extinct reptiles</u>
18/01/2018	<u>Extinct "</u>
19/01/2018	<u>Hemidactylus - study features</u>
19/01/2018	<u>Characteristics, origin of lizard.</u>
20/01/2018	<u>Poisonous snakes</u>
<b>Week 4(January 22-27)</b>	
<b>Chapter</b>	
22/01/2018	<u>Holiday</u>
23/01/2018	<u>Poisonous snakes</u>
24/01/2018	<u>Non-poisonous snakes</u>
25/01/2018	<u>Non " "</u>
26/01/2018	

Seema

27/01/2018	Revision
<b>Week 5 (January 29- Feb 3)</b>	
<b>Chapter</b>	
29/01/2018	Poison apparatus in snakes
30/01/2018	Evolutionary tree
31/01/2018	Revision
01/02/2018	Test
02/02/2018	Reptilia and Amphibia - origin
03/02/2018	Reptilia & Amphibia - Test
<b>Week 6 (Feb 5-10)</b>	
<b>Chapter</b>	
Unit - III	
05/02/2018	Aves - study
06/02/2018	Introduction Pigeon
07/02/2018	Columba livia structure
08/02/2018	Columba livia - study
09/02/2018	features "
10/02/2018	Holiday
<b>Week 7 (Feb 12-17)</b>	
<b>Chapter</b>	
Unit - IV	
12/02/2017	Mammals: Aves - Pigeon
13/02/2017	flight adaptation
14/02/2017	Principles of aerodynamics
15/02/2017	In bird flight
16/02/2017	In bird flight
17/02/2017	Migration in birds
<b>Week 8 (Feb 19-24)</b>	
<b>Chapter</b>	
19/02/2018	Migration in birds
20/02/2018	Revision
21/02/2018	Test
22/02/2018	Mammals - Unit IV
23/02/2018	Classification
24/02/2018	Study of Rat
<b>Week 9 (Feb 26-March 03)</b>	
<b>Chapter</b>	
26/02/2018	Rat - characteristics
27/02/2018	Rat - details
28/02/2018	Rat "
01/03/2018	Holiday

02/03/2018	Adaptive	Radiations of mammals
03/03/2018	Adaptive	" "
<b>Week 10(March 5-10)</b>		
<b>Chapter</b>		
05/03/2018	Mammals	- dentition
06/03/2018	Mammals	- "
07/03/2018	Radiation	- details
08/03/2018	Radiations	- characters
09/03/2018	Radiations	/ dentition
10/03/2018	Radiations	" "
<b>Week 11(March 12-17)</b>		
<b>Chapter</b>		
	Unit - I	- Test
12/03/2018	Amphibia	- revision
13/03/2018	Amphibia	" "
14/03/2018	Group	discussion
15/03/2018	Group	" "
16/03/2018	Test	
17/03/2018	Test	
<b>Week 12(March 19-24)</b>		
<b>Chapter</b>		
	II	Test
19/03/2018	Reptilia	- origin
20/03/2018	Reptilia	Tree
21/03/2018	Extinct	reptiles
22/03/2018	Extinct	" "
23/03/2018	Holiday	
24/03/2018	Revisions	
<b>Week 13(March 26-31)</b>		
<b>Chapter</b>		
26/03/2018	Test	- Reptilia
27/03/2018	Test	/ discussion
28/03/2018	Group	discussion
29/03/2018	Holiday	
30/03/2018	Amphibia	& Reptilia
31/03/2018	Amphibia	& Reptilia
<b>Week 14(April 02-07)</b>		
<b>Chapter</b>		
02/04/2018	Test	- Aves
03/04/2018	Test	- Aves
04/04/2018	Group	discussion



05/04/2018	Pigeon	-	adaptation
06/04/2018	Pigeon		
07/04/2018	Pigeon	"	Migration
<b>Week 15(April 09-14)</b>			
<b>Chapter</b>			
09/04/2018	Mammals	-	details
10/04/2018	Classification	"	
11/04/2018	Classification	"	
12/04/2018	Rat	"	
13/04/2018	Rat	"	
14/04/2018	Rat	"	
<b>Week 16(April 16-21)</b>			
<b>Chapter</b>			
16/04/2018	Adaptive	radiations	
17/04/2018	Adaptive	"	
18/04/2018	Dentition	"	
19/04/2018	Group	detection	discussion
20/04/2018	Group	"	
21/04/2018	Test		
<b>Week 17(April 23-28)</b>			
<b>Chapter</b>			
23/04/2017	Full revision	-	Amphibia
24/04/2017	FR	-	Reptilia
25/04/2017	Full Revision	-	Aves
26/04/2017	Full	"	Aves
27/04/2017	Full	"	Reptilia
28/04/2018	Full	"	"
<b>Week 18(April 29-30)</b>			
<b>Chapter</b>			
30/04/2018	Full	"	Mammals

**Lesson Plan Format**  
18 weeks (From January 2018 to April 2018)

Name of Assistant /Associate Professor : Dr. Seema Devi  
 Class and Section : B.Sc. II nd Sem  
 Subject : Genetics (zoology)

<b>Week 1(January 1-6)</b>	
<b>Chapter 1</b>	
01/01/2018	Elements of Heredity
02/01/2018	Introduction of
03/01/2018	Importance and variations
04/01/2018	Gene interaction
05/01/2018	varieties of gene interactions
06/01/2017	linkage
<b>Week 2(January 8-13)</b>	
<b>Chapter</b>	
08/01/2018	Recombination
09/01/2018	Coupling & repulsion hypothesis
10/01/2018	crossing over
11/01/2018	Chiasma formation
12/01/2018	Gene mapping
13/01/2018	Gene mapping
<b>Week 3(January 15-20)</b>	
<b>Chapter</b>	
15/01/2018	Sex determination
16/01/2018	Mechanism
17/01/2018	Male & female heterozygous system
18/01/2018	Genetic balance system
19/01/2018	role of Y chromosome
19/01/2018	Male haploidy cytoplasm.
20/01/2018	Environmental factors.
<b>Week 4(January 22-27)</b>	
<b>Chapter</b>	
22/01/2018	P
23/01/2018	Role of hormones in sex determination
24/01/2018	sex linked inheritance
25/01/2018	eye colour in Drosophila
26/01/2018	

Seema



27/01/2018	Non disjunction of sex chromosomes
Week 5 (January 29- Feb 3)	
Chapter	II unit
29/01/2018	Kappa particles in Paramecium
30/01/2018	Cytoplasmic inheritance
31/01/2018	shell coiling in snails
01/02/2018	milk factor in mice
02/02/2018	Extra chromosomal
03/02/2018	or cytoplasmic inheritance
Week 6 (Feb 5-10)	
Chapter	III unit
05/02/2018	Multiple allelism
06/02/2018	AB, O blood group in man
07/02/2018	Human genetics
08/02/2018	Dizygotic twins
09/02/2018	Monozygotic difference b/w Dizygotic twins
10/02/2018	autosomes and sex chromosomes
Week 7 (Feb 12-17)	
Chapter	III unit
12/02/2017	Errors of metabolism
13/02/2017	Alcaptonuria
14/02/2017	Phenylketonuria
15/02/2017	Inborn errors of metabolism
16/02/2017	characteristic features
17/02/2017	of baby.
Week 8 (Feb 19-24)	
Chapter	IV
19/02/2018	Phenylketonuria, Albinism
20/02/2018	Albinism characters
21/02/2018	Sickle cell anemia dis advantages
22/02/2018	characters
23/02/2018	Advantage of sickle cell
24/02/2018	anemia
Week 9 (Feb 26-March 03)	
Chapter	IV
26/02/2018	Nature & function of genetic material
27/02/2018	structure of Nucleic acids
28/02/2018	Types of N.A
01/03/2018	Protein synthesis

02/03/2018	Spontaneous mutations
03/03/2018	Characteristics of mutations
<b>Week 10 (March 5-10)</b>	
<b>Chapter</b>	
05/03/2018	Induced mutations
06/03/2018	Gene mutations
07/03/2018	Chemical basis of mutations
08/03/2018	transition
09/03/2018	transversion
10/03/2018	Structural chromosomal aberration
<b>Week 11 (March 12-17)</b>	
<b>Chapter</b>	
12/03/2018	Deletion, duplication
13/03/2018	Inversion
14/03/2018	translocation
15/03/2018	structural chromosomal
16/03/2018	Numerical aberrations
17/03/2018	autopolyploidy
<b>Week 12 (March 19-24)</b>	
<b>Chapter</b>	
19/03/2018	Euploidy
20/03/2018	Polyploidy in animals
21/03/2018	Applied genetics
22/03/2018	Introduction, Characteristics of Genetics
23/03/2018	Applied genetics details
24/03/2018	Applied genetics details
<b>Week 13 (March 26-31)</b>	
<b>Chapter</b>	
26/03/2018	Applied genetics types
27/03/2018	Structures of genetics
28/03/2018	Characteristics of genetics
29/03/2018	Characteristics of genetics
30/03/2018	Eugenics
31/03/2018	Euthenics
<b>Week 14 (April 02-07)</b>	
<b>Chapter</b>	
02/04/2018	Euphenics Details
03/04/2018	Eugenics, Euthenics
04/04/2018	Euphenics, Characteristics







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**18 weeks (From January 2018 to April 2018)**

Name of Assistant / Associate Professor : ...*Dr. Seema Devi*.....  
 Class and Section : *Sem. IV*.....*B.Sc. - IInd*.....  
 Subject : *Mammalian Physiology - II*

<b>Week 1(January 1-6)</b>	
<b>Chapter 1</b>	<i>Unit - 1 Circulation</i>
01/01/2018	<i>Origin, conduction &amp; regulation of Heart beat,</i>
02/01/2018	<i>Cardiac cycle</i>
03/01/2018	<i>Electrocardiogram</i>
04/01/2018	<i>Cardiac output</i>
05/01/2018	<i>Fluid pressure</i>
06/01/2017	<i>Fluid pressure</i>
<b>Week 2(January 8-13)</b>	
<b>Chapter</b>	
08/01/2018	<i>Flow pressure in closed system.</i>
09/01/2018	<i>Open circulatory system.</i>
10/01/2018	<i>open &amp; closed V system</i>
11/01/2018	<i>Composition of blood.</i>
12/01/2018	<i>Functions of lymph.</i>
13/01/2018	<i>Composition of lymph.</i>
<b>Week 3(January 15-20)</b>	
<b>Chapter</b>	
15/01/2018	<i>Mechanism of coagulation of blood</i>
16/01/2018	<i>Mechanism " " "</i>
17/01/2018	<i>Coagulation factors</i>
18/01/2018	<i>Coagulation factors</i>
19/01/2018	<i>Anti coagulants</i>
19/01/2018	<i>Haemopoiesis</i>
20/01/2018	<i>Anti coagulants &amp; haemopoiesis</i>
<b>Week 4(January 22-27)</b>	
<b>Chapter</b>	
22/01/2018	<i>Difference b/w Haemopoiesis or Anti coagulants</i>
23/01/2018	<i>Difference " Blood &amp; lymph.</i>
24/01/2018	<i>Function of blood</i>
25/01/2018	<i>Function " " lymph</i>
26/01/2018	<i>Holiday</i>

*Seema*

27/01/2018	Group discussion
<b>Week 5 (January 29- Feb 3)</b>	
<b>Chapter</b>	<b>Unit-II Respiration</b>
29/01/2018	Exchange of respiratory gases
30/01/2018	Transport of gases
31/01/2018	Lung air volumes
01/02/2018	Oxygen dissociation
02/02/2018	Curve of hemoglobin
03/02/2018	Curve of hemoglobin
<b>Week 6 (Feb 5-10)</b>	
<b>Chapter</b>	
05/02/2018	Bohr's effect
06/02/2018	Haldane phenomenon
07/02/2018	Chloride shift
08/02/2018	Control of respiration
09/02/2018	Control "
10/02/2018	Regulation of "
<b>Week 7 (Feb 12-17)</b>	
<b>Chapter</b>	<b>Unit-II Excretion</b>
12/02/2017	Patterns of excretory products
13/02/2017	Amonotelic
14/02/2017	Ureotelic Amonotelic
15/02/2017	Ornithine cycle
16/02/2017	Ornithine cycle
17/02/2017	Krebs - Henseleit cycle
<b>Week 8 (Feb 19-24)</b>	
<b>Chapter</b>	
19/02/2018	Krebs - Henseleit cycle
20/02/2018	Urea formation in liver
21/02/2018	Excretion formation
22/02/2018	Difference btw Amonotelic
23/02/2018	Ureotelic, uricotelic cycle
24/02/2018	Ureotelic "
<b>Week 9 (Feb 26-March 03)</b>	
<b>Chapter</b>	
26/02/2018	Test series of Circulation
27/02/2018	Test series of Respiration
28/02/2018	Test " Excretion
01/03/2018	Holiday



02/03/2018	Group discussion
03/03/2018	Group "
<b>Week 10(March 5-10)</b>	
<b>Chapter</b>	<b>Unit - III Excretion</b>
05/03/2018	Urine formation
06/03/2018	Urine formation
07/03/2018	Counter-current mechanism
08/03/2018	Counter-current mechanism of urine conc.
09/03/2018	Urine concentration
10/03/2018	Osmoregulation
<b>Week 11(March 12-17)</b>	
<b>Chapter</b>	
12/03/2018	Osmoregulation, micturition
13/03/2018	Function of "
14/03/2018	Characteristics of " , osmoregulation
15/03/2018	Group discussion
16/03/2018	Assessment
17/03/2018	Test series
<b>Week 12(March 19-24)</b>	
<b>Chapter</b>	<b>Neural Integration</b>
19/03/2018	Nature origin and propagation of nerve
20/03/2018	Medulated nerve fibre
21/03/2018	Conduction of nerve impulse across synapse
22/03/2018	Conduction of " " " "
23/03/2018	Holiday
24/03/2018	Nerve fibre
<b>Week 13(March 26-31)</b>	
<b>Chapter</b>	<b>IV - Chemical Integration of Endocrinology</b>
26/03/2018	Structure & mechanism of hormone action
27/03/2018	Structure " " " "
28/03/2018	Physiology of hypothalamus
29/03/2018	Holiday
30/03/2018	Physiology of hypothalamus
31/03/2018	Physiology " "
<b>Week 14(April 02-07)</b>	
<b>Chapter</b>	<b>IV</b>
02/04/2018	Pituitary - Nerve fibre
03/04/2018	Parathyroid Adrenal
04/04/2018	" "

**Lesson Plan Format**  
**18 weeks (From January 2018 to April 2018)**

Name of Assistant /Associate Professor  
 Class and Section  
 Subject

Dr. Seema Devi  
 B.Sc. II<sup>nd</sup> Sem.  
 Zoology (Life & Diversity of Annelida to  
 Hemichordata)

<b>Week 1 (January 1-6)</b>	
<b>Chapter I</b>	
01/01/2018	General characteristics classification up to order level
02/01/2018	Annelida characters
03/01/2018	Annelida classification
04/01/2018	Annelida classification
05/01/2018	Annelida classification
06/01/2017	Annelida - order level
<b>Week 2 (January 8-13)</b>	
<b>Chapter - II</b>	
08/01/2018	Introduction of Biodiversity
09/01/2018	Biodiversity characters
10/01/2018	Biodiversity classification
11/01/2018:	Economic importance
12/01/2018	Economic importance of Annelida
13/01/2018	Importance of Biodiversity.
<b>Week 3 (January 15-19)</b>	
<b>Chapter - III - IV</b>	
15/01/2018	Earthworm Introduction
16/01/2018	Pheretima classification
17/01/2018	Earthworm characters
18/01/2018	Type study
19/01/2018	Metamerism in Annelida
19/01/2018	Metamerism in Annelida
20/01/2018	Metamerism in Annelida
<b>Week 4 (January 22-27)</b>	
<b>Chapter - V - VI</b>	
22/01/2018	Trochophore larva
23/01/2018	Trochophore introduction
24/01/2018	Affinities of larva
25/01/2018	Characteristics of larva
26/01/2018	Significance



05/04/2018	Pancreas and gonads
06/04/2018	group discussion
07/04/2018	Test
<b>Week 15(April 09-14)</b>	
<b>Chapter IV Reproduction</b>	
09/04/2018	Spermatogenesis
10/04/2018	Capacitation of spermatozoa
11/04/2018	Ovulation
12/04/2018	Formation of corpus luteum
13/04/2018	Holiday
14/04/2018	Holiday
<b>Week 16(April 16-21)</b>	
<b>Chapter</b>	
16/04/2018	Oestrous - oestrous cycle
17/04/2018	" " " "
18/04/2018	Holiday
19/04/2018	Menstrual cycle in human
20/04/2018	Menstrual " " "
21/04/2018	Group discussion
<b>Week 17(April 23-28)</b>	
<b>Chapter</b>	
23/04/2017	Fertilization Implantation
24/04/2017	Gestation
25/04/2017	Fertilization Implantation
26/04/2017	" "
27/04/2017	Reproduction - full menstruation
28/04/2018	Test
<b>Week 18(April 29-30)</b>	
<b>Chapter</b>	
30/04/2018	Group discussion

**Lesson Plan Format**  
**18 weeks (From January 2018 to April 2018)**

Name of Assistant / Associate Professor : Dr. Seema Devi  
 Class and Section : B.Sc. II. Ind. Sem.  
 Subject : Zoology (Life & Diversity of Annelida to Hemichordata)

<b>Week 1 (January 1-6)</b>	
<b>Chapter I</b>	
01/01/2018	General characteristics classification up to order level
02/01/2018	Annelida characters
03/01/2018	Annelida classification
04/01/2018	Annelida classification
05/01/2018	Annelida classification
06/01/2017	Annelida - order level
<b>Week 2 (January 8-13)</b>	
<b>Chapter - II</b>	
08/01/2018	Introduction of Biodiversity
09/01/2018	Biodiversity characters
10/01/2018	Biodiversity classification
11/01/2018:	Economic importance
12/01/2018	Economic importance of Annelida
13/01/2018	Importance of Biodiversity.
<b>Week 3 (January 15-19)</b>	
<b>Chapter - III - IV</b>	
15/01/2018	Earthworm Introduction
16/01/2018	Pheretima classification
17/01/2018	Earthworm characters
18/01/2018	Type study
19/01/2018	Metamerism in Annelida
19/01/2018	Metamerism in Annelida
20/01/2018	Metamerism in Annelida
<b>Week 4 (January 22-27)</b>	
<b>Chapter - V - VI</b>	
22/01/2018	Trochophore larva
23/01/2018	Trochophore introduction
24/01/2018	Affinities of larva
25/01/2018	Characteristics of larva
26/01/2018	Significance



27/01/2018	Evolutionary Significance of T. Larva.
Week 5 (January 29- Feb 3)	
Chapter → UNIT-II Arthropoda	
29/01/2018	General characters of Arthropoda
30/01/2018	Classification
31/01/2018	Classification
01/02/2018	Classification up to order level
02/02/2018	Arthropoda -
03/02/2018	Arthropoda up to order level
Week 6 (Feb 5-10)	
Chapter	
05/02/2018	Biodiversity of Arthropoda
06/02/2018	Biodiversity of characters
07/02/2018	Importance
08/02/2018	Importance of Insects.
09/02/2018	Biodiversity & economic importance of insects
x 10/02/2018	of insects
Week 7 (Feb 12-17)	
Chapter III	
12/02/2017	Periplaneta Introduction
x 13/02/2017	Periplaneta characters
14/02/2017	P. order level characters.
15/02/2017	P. order level
16/02/2017	P. order level
17/02/2017	P. order level / Type study
Week 8 (Feb 19-24)	
Chapter - III Mollusca	
19/02/2018	Mollusca General Introduction.
20/02/2018	General characters
21/02/2018	Classification
22/02/2018	Classification
23/02/2018	Classification
24/02/2018	Classification of Mollusca
Week 9 (Feb 26-March 03)	
Chapter Mollusca	
26/02/2018	Mollusca level
27/02/2018	Mollusca order
28/02/2018	Mollusca importance
R 01/03/2018	Mollusca - features

02/03/2018	Molluscal classification up to
03/03/2018	order level
<b>Week 10(March 5-10)</b>	
<b>Chapter</b> Unit - III	
05/03/2018	Biodiversity Introduction
06/03/2018	Biodiversity features
07/03/2018	Biodiversity type
08/03/2018	Differences b/w Biodiversity
09/03/2018	<del>Structure</del> Biodiversity and
10/03/2018	Economic importance
<b>Week 11(March 12-17)</b>	
<b>Chapter</b>	
12/03/2018	Pila Introduction
13/03/2018	Pila type study
14/03/2018	Characteristics
15/03/2018	P. importance
16/03/2018	P. Imp and difference to other
17/03/2018	type study and features.
<b>Week 12(March 19-24)</b>	
<b>Chapter</b>	
19/03/2018	Torsion in Gastropoda
20/03/2018	Torsion in Gastropoda
21/03/2018	Torsion & detorsion in gastropoda
22/03/2018	Gastropoda
23/03/2018	Gastropoda characteristics.
24/03/2018	features. or
<b>Week 13(March 26-31)</b>	
<b>Chapter</b>	
26/03/2018	Respiration and foot Introduction
27/03/2018	Importance
28/03/2018	Characteristics
29/03/2018	Types study of respiration.
30/03/2018	Molluscal respiration.
31/03/2018	foot introduction and importance.
<b>Week 14(April 02-07)</b>	
<b>Chapter</b> Echinodema - IV unit.	
02/04/2018	Introduction.
03/04/2018	characteristics
04/04/2018	classification.



05/04/2018 Order level  
 06/04/2018 Echinodermata - conclusion.  
 07/04/2018 Male & female part & level

**Week 15(April 09-14)**

**Chapter**

09/04/2018 Biodiversity  
 10/04/2018 Economic importance  
 11/04/2018 Importance features  
 12/04/2018 Biodiversity types  
 13/04/2018  
 14/04/2018 Economic importance

**Week 16(April 16-21)**

**Chapter**

16/04/2018 Aristotle's Lantern - Introduction.  
 17/04/2018 Characteristics  
 18/04/2018  
 19/04/2018 Asterias sea star - introduction  
 20/04/2018 features, importance  
 21/04/2018 types.

**Week 17(April 23-28)**

**Chapter**

23/04/2017 Echinoderm larval  
 24/04/2017 introduction.  
 25/04/2017 features - importance  
 26/04/2017 Type of larval  
 27/04/2017 mesozoa, of Echinoderm.  
 28/04/2018 larval

**Week 18(April 29-30)**

**Chapter**

30/04/2018 Balanoglossus

**Lesson Plan Format**  
**18 weeks (From January 2018 to April 2018)**

Name of Assistant /Associate Professor : *Dr. Seema Devi*  
 Class and Section : *B.Sc. II Sem. II*  
 Subject : *Entomology (Zoology)*

<b>Week 1 (January 1-6)</b>	
Chapter 1	<i>UNIT - I - study of imp insects pests of crops</i>
01/01/2018	<i>Sugarcane - important insect pest of crop</i>
02/01/2018	<i>Sugarcane leaf hopper</i>
03/01/2018	<i>Sugarcane whitefly</i>
04/01/2018	<i>Sugarcane top borer</i>
05/01/2018	<i>Sugarcane root borer</i>
06/01/2018	<i>Gynospur borer</i>
<b>Week 2 (January 8-13)</b>	
Chapter	<i>UNIT - I</i>
08/01/2018	<i>Life cycle &amp; control of psylla perpusilla</i>
09/01/2018	<i>Psylla - habits</i>
10/01/2018	<i>Nature of damage caused</i>
11/01/2018	<i>with their systematic position</i>
12/01/2018	<i>habits of sugarcane</i>
13/01/2018	<i>Revision &amp; questions</i>
<b>Week 3 (January 15-20)</b>	
Chapter	<i>UNIT - I Cotton</i>
15/01/2018	<i>pink bollworm</i>
16/01/2018	<i>red cotton bug</i>
17/01/2018	<i>cotton grey weevil</i>
18/01/2018	<i>Cotton jassid</i>
19/01/2018	<i>with their systematic position</i>
19/01/2018	<i>habits and nature of damage</i>
20/01/2018	<i>caused</i>
<b>Week 4 (January 22-27)</b>	
Chapter	
22/01/2018	
23/01/2018	<i>Life cycle of Pectinophora gossypiella</i>
24/01/2018	<i>control of pectinophora gossypiella</i>
25/01/2018	<i>Cotton revision</i>
26/01/2018	

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27/01/2018	Test of Unit-I
<b>Week 5 (January 29- Feb 3)</b>	
<b>Chapter</b>	Wheat UNIT-II
29/01/2018	wheat stem borers Introduction
30/01/2018	Sesamia inferens with its Systematic position
31/01/2018	wheat - habits nature of damage caused
01/02/2018	wheat nature of damage caused
02/02/2018	Life cycle of wheat
03/02/2018	Life cycle & control
<b>Week 6 (Feb 5-10)</b>	
<b>Chapter</b>	Paddy
05/02/2018	Gandhi bug
06/02/2018	Gandhi bug
07/02/2018	Rice grasshopper
08/02/2018	Rice stem borers
09/02/2018	Rice Hispa
10/02/2018	Holiday
<b>Week 7 (Feb 12-17)</b>	
<b>Chapter</b>	
12/02/2017	Paddy - systematic position,
13/02/2017	Habits and nature of damage control
14/02/2017	Habits " " " "
15/02/2017	Life cycle
16/02/2017	Control of <i>Loptocoris acuta</i>
17/02/2017	Revision
<b>Week 8 (Feb 19-24)</b>	
<b>Chapter</b>	UNIT-III
19/02/2018	Vegetables - <i>Raphidopalpa foveicollis</i>
20/02/2018	Systemic position
21/02/2018	Habits of Red pumpkin beetle
22/02/2018	<i>Dacus cucurbitas</i> introduction
23/02/2018	Habits of fruit fly
24/02/2018	Nature of damage caused
<b>Week 9 (Feb 26-March 03)</b>	
<b>Chapter</b>	
26/02/2018	Life cycle and control of Vegetables
27/02/2018	Control of <i>Aulacophora foveicollis</i>
28/02/2018	<i>Dacus cucurbitas</i>
01/03/2018	

02/03/2018	Tetranychus	tecarius
03/03/2018	Tetranychus	Habits and nature
<b>Week 10(March 5-10)</b>		
<b>Chapter III</b>		
05/03/2018	Tetranychus	tecarius - nature of damage caused
06/03/2018	Life cycle	
07/03/2018	Control	of Aulacophora foveicollis
08/03/2018	Systematic	position of vegetables
09/03/2018	The vegetable	mite - details
10/03/2018	Nature of	Damage caused.
<b>Week 11(March 12-17)</b>		
<b>Chapter 6 stored grains.</b>		
12/03/2018	pulse beetle	
13/03/2018	Habits & nature	of Callosobruchus
14/03/2018	Rice weevil	
15/03/2018	Rice weevil	- characteristics
16/03/2018	Wheat weevil	
17/03/2018	Character	of wheat weevil.
<b>Week 12(March 19-24)</b>		
<b>Chapter</b>		
19/03/2018	Rust Red Flour	beetles
20/03/2018	Lesser grain	borer
21/03/2018	Lesser grain and Rust	Red flour beetles
22/03/2018	Grain and flour	moth
23/03/2018		
24/03/2018	Revision of	Rice weevil, wheat, borer etc.
<b>Week 13(March 26-31)</b>		
<b>Chapter</b>		
26/03/2018	Thir systemic	position of Trogoderma
27/03/2018	Habits and nature	of Damage caused.
28/03/2018	Trogoderma	- control
29/03/2018		
30/03/2018	Life cycle	of Trogoderma
31/03/2018	Life cycle & control	of Trogoderma
<b>Week 14(April 02-07)</b>		
<b>Chapter UNIT - IV</b>		
02/04/2018	Insect	control
03/04/2018	Biological	control
04/04/2018	Insect	history



05/04/2018 Requirement and precautions  
06/04/2018 Feasibility of biological agents  
07/04/2018 for control.

**Week 15(April 09-14)**

**Chapter**

09/04/2018 Chemical control  
10/04/2018 History, categories of pesticides  
11/04/2018 Important pesticides  
12/04/2018 Uses of chemical control  
13/04/2018  
14/04/2018

**Week 16(April 16-21)**

**Chapter**

16/04/2018 Insect repellants  
17/04/2018 Insect repellants and attractants  
18/04/2018  
19/04/2018 Important repellants  
20/04/2018 Integrated pest management  
21/04/2018 IPM features

**Week 17(April 23-28)**

**Chapter**

23/04/2017 Important birds and their management  
24/04/2017 Rodent pests of agriculture  
25/04/2017 Birds and pest management  
26/04/2017 Revisions  
27/04/2017 Test  
28/04/2018 Test

**Week 18(April 29-30)**

**Chapter**

30/04/2018 Test

**Lesson Plan Format**  
**18 weeks (From January 2018 to April 2018)**

Name of Assistant / Associate Professor : Dr. Seema Jari  
 Class and Section : B.Sc. - IIIrd Sem. - VI  
 Subject : Developmental Biology

<b>Week 1 (January 1-6)</b>	
<b>Chapter 1</b>	<u>Unit - I</u>
01/01/2018	<u>Historical perspectives</u>
02/01/2018	<u>Aims and scope of developmental</u>
03/01/2018	<u>developmental biology</u>
04/01/2018	<u>Generalized structure of mammalian ovum</u>
05/01/2018	<u>ovum &amp; sperm</u>
06/01/2017	<u>Spermatogenesis and Oogenesis</u>
<b>Week 2 (January 8-13)</b>	
<b>Chapter</b>	<u>- UNIT - II</u>
08/01/2018	<u>Fertilization</u>
09/01/2018	<u>Parthenogenesis</u>
10/01/2018	<u>Different types of eggs</u>
11/01/2018	<u>Patterns of cleavage in invertebrates</u>
12/01/2018	<u>vertebrates - cleavage</u>
13/01/2018	<u>Invertebrates &amp; vertebrates</u>
<b>Week 3 (January 15-20)</b>	
<b>Chapter</b>	
15/01/2018	<u>Revisions</u>
16/01/2018	<u>Process of blastulation in invertebrates</u>
17/01/2018	<u>Blastulation of vertebrates</u>
18/01/2018	<u>Fate - map</u>
19/01/2018	<u>Fate - map construction in frog</u>
19/01/2018	<u>Frog and chick development</u>
20/01/2018	<u>chick - construction</u>
<b>Week 4 (January 22-27)</b>	
<b>Chapter</b>	
22/01/2018	<u>Holiday</u>
23/01/2018	<u>Characteristics of frog</u>
24/01/2018	<u>Features of frog</u>
25/01/2018	<u>Features of chick</u>
26/01/2018	<u>Holiday</u>

Seema



27/01/2018	Revisions of frog & Chick.
<b>Week 5 (January 29- Feb 3)</b>	
<b>Chapter</b>	<b>Unit - III</b>
29/01/2018	Gastrulation in invertebrates
30/01/2018	Gastrulation in vertebrates
31/01/2018	Gastrulation in frog
01/02/2018	Gastrulation & formation of frog
02/02/2018	Formation of three germinal layers in frog
03/02/2018	Frog and chick formation
<b>Week 6 (Feb 5-10)</b>	
<b>Chapter</b>	<b>- 3.</b>
05/02/2018	Chick formation of 3 layers in frog &
06/02/2018	Elementary knowledge of primary organizers
07/02/2018	Elementary " " " "
08/02/2018	Revisions
09/02/2018	Test
10/02/2018	
<b>Week 7 (Feb 12-17)</b>	
<b>Chapter</b>	<b>Unit IV</b>
12/02/2017	Extra embryonic membranes
13/02/2017	Structure in birds
14/02/2017	Significance in mammals
15/02/2017	Structure & significance in birds
16/02/2017	Mammals - describe
17/02/2017	Revisions
<b>Week 8 (Feb 19-24)</b>	
<b>Chapter</b>	
19/02/2018	Elementary knowledge of
20/02/2018	Primary organizers
21/02/2018	Extra embryonic membranes
22/02/2018	Extra E. membranes structure
23/02/2018	Significance in birds
24/02/2018	Significance of mammals
<b>Week 9 (Feb 26-March 03)</b>	
<b>Chapter</b>	<b>IV</b>
26/02/2018	Concept of competence
27/02/2018	Determination
28/02/2018	Differentiation
01/03/2018	

02/03/2018	Concept of competence. person
03/03/2018	Test
<b>Week 10(March 5-10)</b>	
<b>Chapter</b>	Unit IV
05/03/2018	Concept of determinantal characteristics
06/03/2018	Concept of differentiation "
07/03/2018	Features and importance of determinants
08/03/2018	Concept of regeneration.
09/03/2018	Features " "
10/03/2018	Test.
<b>Week 11(March 12-17)</b>	
<b>Chapter</b>	- unit - IV
12/03/2018	Extra - embryonic membranes - str
13/03/2018	Extra " " "
14/03/2018	Extra " " "
15/03/2018	Extra " " "
16/03/2018	Extra " " "
17/03/2018	Extra " " "
<b>Week 12(March 19-24)</b>	
<b>Chapter</b>	
19/03/2018	Structure of birds and mammals.
20/03/2018	Str " " "
21/03/2018	Frog structure
22/03/2018	Frog " "
23/03/2018	J. Holiday
24/03/2018	Test
<b>Week 13(March 26-31)</b>	
<b>Chapter</b>	
26/03/2018	Significance of differentiation.
27/03/2018	Significance of " "
28/03/2018	Sig of determination
29/03/2018	
30/03/2018	Sig of competence
31/03/2018	Sig " "
<b>Week 14(April 02-07)</b>	
<b>Chapter</b>	II
02/04/2018	Fate map construction.
03/04/2018	Fate " "
04/04/2018	Fate " "



