

Department of Zoology

Name of Associate Professor: Dr. Manju Bala Sharma

Class and Subject: B.Sc.I , semester II (Zoology) Subject lesson Plan: (from January 2018 to April 2018)

Paper-II

Week1 , Topics: Phylum Mollusca
Week 1, day 1 , Date: 01/01/18 <ul style="list-style-type: none">• Introduction of Phylum Mollusca
Day 2, Date :02/01/18 <ul style="list-style-type: none">• Introduction of Phylum Mollusca
Day 3, Date :03/01/18 <ul style="list-style-type: none">• Characteristics of Mollusca
Week 2 Topics: Phylum Mollusca
Week 2, day1Date: 08/01/18 <ul style="list-style-type: none">• Classification of Mollusca(Class : monoplacophora, Amphineura, scaphopoda)
Day 2, Date: 09/01/18 <ul style="list-style-type: none">• Classification of Mollusca(Class: Gastropoda,Pelecypoda,Cephalopoda)
Day 3, Date: 10/01/18 <ul style="list-style-type: none">• Biodiversity and Economic Importance
Week 3, Topics: Phylum Mollusca

<p>Week 3,day 1 Date: 15/01/18</p> <ul style="list-style-type: none"> • External anatomy of <i>Pila</i>
<p>Day 2, Date: 16/01/18</p> <ul style="list-style-type: none"> • Digestive system of <i>Pila</i>
<p>Day 3, Date: 17/01/18</p> <ul style="list-style-type: none"> • Respiratory system, Blood Vascular System of <i>Pila</i>
<p>Week 4, Topics: Phylum Mollusca</p>
<p>Week 4, day1, Date : 22/01/18</p> <ul style="list-style-type: none"> • Nervous system of <i>Pila</i>
<p>Day 2, Date: 23/01/18</p> <ul style="list-style-type: none"> • Sense organs of <i>Pila</i>
<p>Day 3, Date: 24/01/18</p> <ul style="list-style-type: none"> • Reproductive System of <i>Pila</i>
<p>Week 5, Topics: Phylum Mollusca</p>
<p>Week 5, day1, Date : 29/01/18</p> <ul style="list-style-type: none"> • Torsion and Detorsion in Gastropoda
<p>Day2, Date : 30/01/18</p> <ul style="list-style-type: none"> • Respiration in Mollusca
<p>Day1, Date : 31/01/18</p> <ul style="list-style-type: none"> • Foot in Mollusca
<p>Weeks 6, Topics: Phylum Echinodermata</p>
<p>Week 6, day1, Date : 05/02/18</p> <ul style="list-style-type: none"> • Introduction of Phylum Echinodermata
<p>Day 2, Date : 06/02/18</p> <ul style="list-style-type: none"> • Characteristics of Echinodermata
<p>Day 3, Date: 07/02/18</p> <ul style="list-style-type: none"> • Classification of Echinodermata(Class : Asteroidea,ophiuroidea)
<p>Week 7, Topics: Phylum Echinodermata</p>
<p>Week 7, day1 Date : 12/02/18</p> <ul style="list-style-type: none"> • Classification of Echinodermata (Class : Echinoidea,Holothuroidea)
<p>Day2, Date :13/02/18</p> <ul style="list-style-type: none"> • Biodiversity and Economic Importance

<p>Day 3, Date :14/02/18</p> <ul style="list-style-type: none"> External anatomy of Echinodermata
Week 8, Topics: Phylum Echinodermata
<p>Week 8, day1, Date : 19/02/18</p> <ul style="list-style-type: none"> Digestive system of <i>Asterias</i>
<p>Day2, Date: 20/02/18</p> <ul style="list-style-type: none"> Water vascular system, Locomotion of <i>Asterias</i>
<p>Day3, Date : 21/02/18</p> <ul style="list-style-type: none"> Circulatory system, respiratory system, excretory system of <i>Asterias</i>
Week 9, Topics: Phylum Echinodermata
<p>Week 9, day1, Date: 26/02/18</p> <ul style="list-style-type: none"> Nervous system, sense organ of <i>Asterias</i>
<p>Day2, Date 27/02/18</p> <ul style="list-style-type: none"> Reproductive system and development of <i>Asterias</i>
<p>Day3, Date :28/02/18</p> <ul style="list-style-type: none"> Study of larval form in Echinodermata
Week 10, Topics: Phylum Echinodermata
<p>Week 10, day1, Date : 05/03/18</p> <ul style="list-style-type: none"> Affinities and phylogenetic status of echinoderms
<p>Day2 Date : 06/03/18</p> <ul style="list-style-type: none"> Aristotle's Lantern
Week 10, Topics: Phylum Hemichordata
<p>Day3, Date: 07/03/18</p> <ul style="list-style-type: none"> Introduction of Phylum Hemichordata
Week 11, Topics: Phylum Hemichordata
<p>Week 11, day1, Date : 12/03/18</p> <ul style="list-style-type: none"> Characteristics of Hemichordata
<p>Day2, Date: 13/03/18</p> <ul style="list-style-type: none"> Classification of Hemichordata
<p>Day3, Date: 14/03/18</p> <ul style="list-style-type: none"> Affinities of Hemichordata
Week12, Topics: Phylum Hemichordata

<p>Week 12, day1 Date : 19/03/18</p> <ul style="list-style-type: none"> External features of Balanoglossus
<p>Day 2, Date : 20/03/18</p> <ul style="list-style-type: none"> Digestive system, respiratory system of Balanoglossus
<p>Day3, Date: 21/03/18</p> <ul style="list-style-type: none"> Blood vascular system,Excretory system of Balanoglossus
<p>Week13, Topics: Phylum Hemichordata</p>
<p>Week 13, day1 Date : 26/03/18</p> <ul style="list-style-type: none"> Sense organ and Reproductive system of Balanoglossus
<p>Topics: Genetics</p>
<p>Day 2,Date: 27/03/18</p> <p>Multiple allelism: eye colour in Drosophila</p>
<p>Day 3, Date : 28/03/18</p> <ul style="list-style-type: none"> Multiple allelism: A,B,O Blood group in Man.
<p>Week 14, Topics: Genetics</p>
<p>Week 14, day1, Date : 02/04/18</p> <ul style="list-style-type: none"> Human genetics: karyotype,Choromosomal abnormalities involving autosomes and sex chromosomes.
<p>Day 2,Date: 03/04/18</p> <ul style="list-style-type: none"> Human genetics : monozygotics and dizygotic twins
<p>Day 3, Date : 04/04/18</p> <ul style="list-style-type: none"> Inborn errors in metabolism in man
<p>Week 15, Topics: Genetics</p>
<p>Week 15, day1, Date : 09/04/18</p> <ul style="list-style-type: none"> Structure of nucleic acid ,protein synthesis
<p>Day2, Date : 10/04/18</p> <ul style="list-style-type: none"> Mutations, gene mutation
<p>Day3, Date : 11/04/18</p> <ul style="list-style-type: none"> Chromosomal aberrations
<p>Week16, Topics: Genetics</p>
<p>Week 16, day1, Date : 16/04/18</p> <ul style="list-style-type: none"> Eugenics,euthenics,and euphenics
<p>Day2, Date : 17/04/18</p>

- Genetic counseling, prenatal diagnostics

Day1, Date : 18/04/18

- DNA-Finger printing, transgenic animals.

Week 17, Day 1, Date : 23/04/18

- REVISION OF SYLLIBUS

Name of Associate Professor : Dr. Manju Bala Sharma

Class and Subject: B.Sc.III, semester VI (Zoology) Subject lesson Plan: (from January 2018 to April 2018)

Paper-I

Week1, Topics: Aquaculture-I
Week 1,day 4, Date: 04/01/18 <ul style="list-style-type: none">• Introduction of world fisheries: Production
Day 5, Date : 05/01/18 <ul style="list-style-type: none">• Introduction of world fisheries: Production
Day 6, Date :06/01/18 <ul style="list-style-type: none">• Introduction of world fisheries: Utilization
Week 2, Topics: Aquaculture-I
Week 2,day4 ,Date : 11/01/18 <ul style="list-style-type: none">• Introduction of world fisheries: Demand
Day 5 ,Date :12/01/18 <ul style="list-style-type: none">• Fresh water fishes of India: Riverine system(continued...)
Day 6, Date : 13/01/18 <ul style="list-style-type: none">• Fresh water fishes of India: Riverine system
Week 3, Topics: Aquaculture-I
Week 3,day 4, Date: 18/01/18 <ul style="list-style-type: none">• Fresh water fishes of India: Reservoir fisheries(continued..)
Day 5, Date: 19/101/18 <ul style="list-style-type: none">• Fresh water fishes of India: Reservoir fisheries

Day 6,Date: 20/01/18
<ul style="list-style-type: none"> • Fresh water fishes of India: Pond fisheries
Week 4, Topics: Aquaculture-I
Week 4, day4, Date : 25/01/18
<ul style="list-style-type: none"> • Fresh water fishes of India: Tank fisheries
Day 5, Date : 27/01/18
<ul style="list-style-type: none"> • Fresh water fishes of India: Captive and culture fisheries(continued...)
Week 5, Topics: Aquaculture-I
Week 5 Day 4, Date: 01/02/18
<ul style="list-style-type: none"> • Fresh water fishes of India: Captive and culture fisheries
Day 5, Date : 02/02/18
<ul style="list-style-type: none"> • Fresh water fishes of India: Cold water fisheries(continued....)
Day6 Date 03/02/18
<ul style="list-style-type: none"> • Fresh water fishes of India: Cold water fisheries.
Week 6, Topics: Aquaculture-I
Week 6, day4,Date: 08/02/18
<ul style="list-style-type: none"> • Study of various type of crafts.
Day 5, Date: 09/02/18
<ul style="list-style-type: none"> • Study of various type of gears
Day 6, Date: 10/02/18
<ul style="list-style-type: none"> • Brackish water culture: culture of fin fishes
Week 7, Topic : Aquaculture-I
Week 7, day 4, Date : 15/02/18
<ul style="list-style-type: none"> • Brackish water culture: culture of crustaceans(Prawns) continued...
Day5 Date 16/02/18
<ul style="list-style-type: none"> • Brackish water culture: culture of crustaceans(Prawns)
Day 6,Date 17/02/18
<ul style="list-style-type: none"> • Brackish water culture: culture of Molluscs(Oysters) continued....
Week 8, Topics: Aquaculture-I
Week 8, day4, Date: 22/02/18
<ul style="list-style-type: none"> • Brackish water culture: culture of Molluscs(Oysters)
Day 5,Date :23/02/18
<ul style="list-style-type: none"> • Brackish water culture: Pearl culture(continued..)
Day 6 Date 24/02/18

<ul style="list-style-type: none"> • Brackish water culture: Pearl culture
Week 9, Topics: Pest management-I
Week 9, day4, Date: 01/03/18
<ul style="list-style-type: none"> • Introduction to parasitology
Day5, Date: 02/03/18
<ul style="list-style-type: none"> • Study of sugarcane pest: Systematic position, habits and nature of damage cause by sugarcane by sugarcane whitefly
Day6, Date: 03/03/18
<ul style="list-style-type: none"> • Study of sugarcane pest: Systematic position, habits and nature of damage cause by sugarcane by sugarcane top borer
Week 10, Topics: Pest management-I
Week 10, day4, Date : 08/03/18
<ul style="list-style-type: none"> • Study of sugarcane pest: Systematic position, habits and nature of damage cause by sugarcane root borer
Day5, Date: 09/03/18
<ul style="list-style-type: none"> • Study of sugarcane pest: Systematic position, habits and nature of damage cause by sugarcane by Gurdaspur borer
Day6, Date : 10/03/18
<ul style="list-style-type: none"> • Study Vegetable Pest
Week 11, Topics: Pest management-I
Week 11, day4 , Date: 15/03/18
<ul style="list-style-type: none"> • Systematic position, habits and nature of damage cause by sugarcane leaf hopper & life cycle
Day5, Date: 16/03/18
<ul style="list-style-type: none"> • Study of cotton pest: pink bollworm
Day6, Date : 17/03/18
<ul style="list-style-type: none"> • Study of cotton pest: red cotton bug
Week 12, Topics: Pest management-I
Week 12, day4, Date: 22/03/18
<ul style="list-style-type: none"> • Study of cotton pest: cotton grey weevil
Day 5, Date : 23/03/18
<ul style="list-style-type: none"> • Study of cotton pest: cotton jassid
Day6, Date : 24/03/18
<ul style="list-style-type: none"> • Study of cotton pest: pink bollworm
Week 13, Topics: Pest management-I

<p>Week 13, day4, Date : 29/03/18</p> <ul style="list-style-type: none"> • Study of wheat pest: Systematic position, habits and nature of damage cause by <i>sesamia inferens</i> & life history
<p>Day 2, Date : 30/03/18</p> <ul style="list-style-type: none"> • Study of Paddy Pest : Systematic position, habits and nature of damage cause by Gundhi bug & life history
<p>Day 3, Date : 31/03/18</p> <ul style="list-style-type: none"> • Study of Paddy Pest: Rice grasshopper
<p>Week 14, Topics:Pest management-I</p>
<p>Week 14, day4, Date: 05/04/18</p> <ul style="list-style-type: none"> • Study of Paddy Pest: Rice stem borer
<p>Day 5, Date :06/04/18</p> <ul style="list-style-type: none"> • Study of Paddy Pest : Rice Hispa
<p>Day 6, Date: 07/04/18</p> <ul style="list-style-type: none"> • Study Vegetable Pest: Red pumpkin beetle
<p>Week 15, Topics: Pest management-I</p>
<p>Week 15, day4, Date :12//04/18</p> <ul style="list-style-type: none"> • Study Vegetable Pest: The pumpkin fruitfly
<p>Day5, Date : 13/04/18</p> <ul style="list-style-type: none"> • Study Vegetable Pest: The vegetable mite
<p>Day6,Date 14/04/18</p> <ul style="list-style-type: none"> • Study Vegetable Pest: The hadda beetle
<p>Week 16, Day 4 Date 19/04/18 to onward</p> <ul style="list-style-type: none"> • REVISION OF SYLLIBUS

