

Zoology Lesson Plan (PAPER-II) ^{Life and Diversity ①}
From Mollusca To Hemichordata
and Cephalopoda-II

Name of Assistant Professor : Dr. Gaur Bhusan

Class and Section : B.Sc 1st year 2nd Sem,
: Medical Section

Subject Lesson Plan : 18 Weeks (From Jan 2018 To April 2018)

JAN 2018
Week 1 Day 3, Wednesday, 03/01/2018

PAPER-II (Zoology) SECTION A (Life and Diversity From Mollusca
↓
To Hemichordata) & (Cephalopoda-II)
Phylum Mollusca: General Characters

Day 4, Thursday, 04/01/2018

Phylum Mollusca: Classification upto order (Part I)

Day 5, Friday, 05/01/2018

Holiday;

Guru Gobind Singh's
Birth Day

Day 6, Saturday, 06/01/2018

Phylum Mollusca: Classification upto order (Part II)

Week 2 Day 3, Wednesday, 10/01/2018

Phylum Mollusca: Type study of Pila globosa: Digestive
System and Respiratory System

Day 4, Thursday, 11/01/2018

Pila globosa: Blood Vascular System

Day 5, Friday, 12/01/2018

Pila: Excretory and Nervous System
Gaur Bhusan

Day 6, Saturday, 13/01/2018

Life: Reproductive System

Week 3

Day 3, Wednesday, 17/01/2018

Takson and detorsion in Gastropoda

Day 4, Thursday, 18/01/2018

Respiration and Foot

Day 5, Friday, 19/01/2018

Echinodermata: General Characters

Day 6, Saturday, 20/01/2018

Echinodermata: Classification upto order level

Week 4

Day 3, Wednesday, 24/01/2018 [Holiday] See Chhota Ram Jaganti

Day 4, Thursday, 25/01/2018

Echinodermata: Productivity and Economic Importance

Day 5, Friday, 26/01/2018 [Holiday] Republic Day

Day 6, Saturday, 27/01/2018

Type Study: Asterias (Sea Star): Digestive System

Week 5

Day 3, Wednesday, 31/01/2018 [Holiday] Gurus Ravidar Birthday

February 2018

Week 6 Day 4, Thursday, 01/02/2018

Asterias : Water Vascular System

Day 5, Friday, 02/02/2018

Asterias : Circulatory System

Day 6, Saturday, 03/02/2018

Asterias : Nervous System and Sense organs

Week 7 Day 3, Wednesday, 07/02/2018

Asterias : Reproductive System

Day 4, Thursday, 08/02/2018

Asterias : Life History and Development

Day 5, Friday, 09/02/2018

Echinoderm Larvae

Day 6, Saturday, 10/02/2018

Holiday

Mahabhis Dayanand
Saraswati Jayanti

Week 8 Day 3, Wednesday, 14/02/2018

Ampelopsis 's Lantern

Day 4, Thursday, 15/02/2018

Hemichordata : General Characters

Day 5, Friday : 16/02/2018

Balanoglossus : Digestive System and Respiratory System

Day 6, Saturday : 17/02/2018 - Blood Vascular System

Week 9

(9)

Day 3, Wednesday, 21/03/2018

Balanoglossus: Excretory System

Day 4, Thursday, 22/03/2018

Balanoglossus: Nervous System

Day 5, Friday, 23/03/2018

Balanoglossus: Sense organs

Day 6, Saturday, 24/03/2018

Balanoglossus: Reproductive System

March 2018

Week 10

R.U.K. Vacations → 28/03/2018 To 04/04/2018

Week 11

Day 3, Wednesday, 07/03/2018 (Section B)

Multiple Allelism: Eye colour in *Drosophila*,
A, B, O Blood Group in Man

Day 4, Thursday, 08/03/2018

Human Karyotype

Day 5, Friday, 09/03/2018

Chromosomal Abnormalities involving autosomes and sex chromosomes; Monozygotic and Dizygotic Twins

Day 6, Saturday, 10/03/2018

Inborn Errors of Metabolism (Alcaptonuria, Phenylketonuria, Albinism, Sickle Cell Anaemia)

Week 12

- Day 3, Wednesday, 14/03/2018
Evidences for DNA As Genetic Material
- Day 4, Thursday, 15/03/2018
Structure of DNA and function of DNA
- Day 5, Friday, 16/03/2018
Types of RNA and functions of RNAs
- Day 6, Saturday, 17/03/2018
Genetic Code

Week 13

- Day 3, Wednesday, 21/03/2018
Protein Synthesis : Translation
- Day 4, Thursday, 22/03/2018
Gene Mutation - Part I

Day 5, Friday, 23/03/2018	Holiday	Shakshi Dhuwa of Bhagat Singh, Raj Ganes & Subhedar
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Day 6, Saturday, 24/03/2018
~~Chromosomal~~ ^{Gene} Mutation - Part-II

Week 14

- Day 3, Wednesday, 28/03/2018
Chromosomal Aberrations - Part-I
- Day 4, Thursday, 29/03/2018
Chromosomal Aberrations - Part-II
- Day 5, Friday, 30/03/2018
Numerical Chromosomal Mutations - Part-I

Dr. Bhusha

Week 14

Day 6, Saturday, 31/03/2018

Numerical Chromosomal mutation - Part - II

Week 15

Day 3, Wednesday, 04/04/2018

Applied Genetics : Eugenics

Day 4, Thursday, 05/04/2018

Applied Genetics : Euthenics

Day 5, Friday, 06/04/2018

Applied Genetics : Euphenics

Day 6, Saturday, 07/04/2018

Genetic Counseling - Part - I

Week 16

Day 3, Wednesday, 11/04/2018

Genetic Counseling - Part - II

Day 4, Thursday, 12/04/2018

Pedigree charting

Day 5, Friday, 13/04/2018

Re-Natal Diagnosis → Amniocentesis

Day 6, Saturday, 14/04/2018

Holiday

Dr. B.R. Ambedkar
Jayanti

Week 17

Day 3, Wednesday, 18/04/2018

Holiday

Parashurama Jayanti

Day 4, Thursday, 19/04/2018

Re-Natal Diagnosis → Chorion Villous Biopsy

and
ultrasonography

Dr. Bhatia

Week 17

Day 5, Friday, 20/04/2018

Pre-Natal Diagnosis - Fetalcopy; Fetal Blood Sampling
and Maternal Serum Screening

Day 6, Saturday, 21/04/2018

DNA Fingerprinting - Part I

Week 18

Day 3, Wednesday, 25/04/2018

DNA Fingerprinting - Part II

Day 4, Thursday, 26/04/2018

Transgenic Animals - Part I

Day 5, Friday, 27/04/2018

Transgenic Animals - Part II

Day 6, Saturday, 28/04/2018

Significance of Transgenesis

Jhan Bhushan