

GDC Memorial College, Bahal (Bhiwani)
NAAC Accredited Grade "B"
Lesson Plan – (Jan-Apr 2025)

Name – Neetu
 Class – B.Sc 3rd Year
 Semester – 6th

Department - Zoology
 Subject – Applied Zoology
 Sub.Code- 20UZOO601

Week - 1	UNIT - 1
1-Jan-25	Introduction to Host - Parasite relationship
Week - 2	
6-Jan-25	Parasitism and it's Characteristics
7-Jan-25	Host and types of Host
8-Jan-25	Origin and evolution of Parasitism
Week - 3	
13-Jan-25	Degree of Parasitism
15-Jan-25	Mutualism
Week - 4	
20-Jan-25	Brood Parasitism
21-Jan-25	Commensalism and Suitable Examples
22-Jan-25	Process of Symbiosis
Week - 5	
27-Jan-25	Detailed study of Symbiosis in Lichens
28-Jan-25	Host parasite Specificity
29-Jan-25	Detailed study of Typhoid
Week - 6	
3-Feb-25	Detailed study of Tuberculosis
4-Feb-25	Test
	UNIT-2
5-Feb-25	Rickettsial and Spirochaetes
Week - 7	
10-Feb-25	life cycle of Rickettsia prowazekii
11-Feb-25	Breif Account on Treponema Pallidum
12-Feb-25	Morphology and Pathogenicity of Spirochaetes Borrelia Recurrentis
Week - 8	
17-Feb-25	Study of Mycoplasm Pneumoniae
18-Feb-25	Test
	UNIT- 3
19-Feb-25	Introduction of Parasitic Protozoa
Week - 9	
24-Feb-25	Life cycle of Plasmodium vivax
25-Feb-25	Detailed Study of Sexual phase of Mosquito
Week - 10	
3-Mar-25	Pathogenicity of Plasmodium vivax
4-Mar-25	Life cycle of Entamoeba Histolytica
5-Mar-25	Method of Transmission of Malarial parasite
Week - 11	
10-Mar-25	Carrier of Entamoeba Histolytica
11-Mar-25	Pathogenicity of Entamoeba Histolytica
12-Mar-25	Mode of infection and life cycle of Trypanosoma Brucei
Week - 12	
17-Mar-25	Pathogenicity of Trypanosoma Brucei
18-Mar-25	Life history of Protozoa Leishmania
	UNIT-4
19-Mar-25	Introduction of Parasitic Helminthes
Week - 13	
24-Mar-25	Life cycle of nematode Ancylostoma duodenale
25-Mar-25	Pathogenicity of Ancylostoma duodenale
26-Mar-25	Life cycle of Wuchereria bancrofti
Week - 14	

31-Mar-25	Nocturnal periodicity in Wuchereria bancrofti
1-Apr-25	Mode of infection,disease and control of Wuchereria bancrofti
2-Apr-25	Geographical Distribution of Wuchereria bancrofti
Week - 15	
7-Apr-25	Prevention and Control of bancroftian filariasis
8-Apr-25	Detail of Proglottid
9-Apr-25	Geographical Distribution of Ascaris lumbricoides
Week - 16	
14-Apr-25	Detailed study of life cycle of Ascaris lumbricoides
15-Apr-25	Symptoms and Prevention of Ascariasis
16-Apr-25	Do
Week - 17	
21-Apr-25	Detailed Study of Morphology of Ascaris Lumbricoides
22-Apr-25	Reproduction in Ascaris Lumbricoides
23-Apr-25	Do
Week - 18	
28-Apr-25	Study of Juvenile of Ascaris
29-Apr-25	Detailed Study of Ascaris egg
30-Apr-25	Test

Signature of Faculty - Neetu

GDC Memorial College, Bahal (Bhiwani)
NAAC Accredited Grade "B"
 Lesson Plan – (Jan-Apr 2025)

Name – Neetu
 Class – B.Sc 2rd Year
 Semester – 4th

Department - Zoology
 Subject-Developmental Biology
 Sub.Code - 20UZOO 402

Week-1	UNIT-1
2-Jan-25	Introduction of Developmental Biology
3-Jan-25	Aims and Scopes of Developmental Biology
Week-2	
9-Jan-25	Reproduction
10-Jan-25	Recapitulation Theory
11-Jan-25	Evolutionary Biology
Week-3	
16-Jan-25	Structure of Mature ovum
17-Jan-25	Hormonal control of Spermatogenesis
Week-4	
23-Jan-25	Structure of mature Sperm
24-Jan-25	Hormonal control of Oogenesis
25-Jan-25	Spermatogenesis
Week-5	
30-Jan-25	Oogenesis
31-Jan-25	Test
Week-6	UNIT-2
16-Jan-25	Introduction of Fertilization
17-Jan-25	capacitation
Week-7	
6-Feb-25	Polyspermy
7-Feb-25	Significance of Fertilization
8-Feb-25	Mechanism of Fertilization in Animals
Week-8	
23-Jan-25	Parthenogenesis
24-Jan-25	Gynogenesis
25-Jan-25	Diploid and Haploid Parthenogenesis
Week-9	
13-Feb-25	Natural Parthenogenesis
14-Feb-25	Advantage and Disadvantage of Parthenogenesis
Week-10	
20-Feb-25	Detailed study of Types of egg
21-Feb-25	Detailed study of Cleavage
22-Feb-25	Cleavage and Normal Mitosis
Week-11	
27-Feb-25	Blastulation Different type of Blastulae
28-Feb-25	Fate map Construction in Chick
Week-12	
6-Mar-25	Test
	UNIT-3
7-Mar-25	Gastrulation in Invertebrates
8-Mar-25	Significance of Gastrulation
Week-13	
20-Mar-25	Chemical Changes of Gastrulation
21-Mar-25	Gastrulation in Frog
22-Mar-25	Gastrulation in Chick
Week-14	
27-Mar-25	Detailed study of Henson's node
28-Mar-25	Natural Induction and Examples
29-Mar-25	Embryonic Induction
Week-15	
3-Apr-25	Organizer Experiment Spemann and Hilde Mangold

4-Apr-25	Test
Week-16	UNIT-4
10-Apr-25	Secondary Induction
11-Apr-25	Optic Vesicle and Lens Differentiation
12-Apr-25	Theories of Mechanism of Induction
Week-17	
17-Apr-25	Extraembryonic memberanes
18-Apr-25	Amniotes and examples
Week-18	
24-Apr-25	Adaptation to terrestrial life
25-Apr-25	Development of Embryonic memberane in Chick
26-Apr-25	Regeneration in Hydra

Signature of Faculty

GDC Memorial College, Bahal (Bhiwani)
NAAC Accredited Grade "B"
Lesson Plan – (Jan-Apr 2025)

Name – Neetu
 Class – B.Sc 3rd Year
 Semester – 6th

Department - Zoology
 Subject-Insect, Vectors & Diseases
 Sub.Code - 20UZOO 602

Week-1	UNIT-1
2-Jan-25	Features of Insects
3-Jan-25	Hormones Control Moulting
Week-2	
9-Jan-25	Circulatory system of Insects
10-Jan-25	Features and Examples of Order Hemiptera
11-Jan-25	Breif Introduction of Carrier
Week-3	
16-Jan-25	Breif Introduction of Reservoirs
17-Jan-25	Host - Vector Relationship
Week-4	
23-Jan-25	Vectoral capacity
24-Jan-25	Host Specificity
25-Jan-25	zoonotic Disease
Week-5	
30-Jan-25	Biological and Mechanical Vector
31-Jan-25	Test
Week-6	UNIT-2
16-Jan-25	Introduction of Mosquito and Mosquitoes born diseases
17-Jan-25	Sucking and Piercing Mouth parts in Mosquito
Week-7	
6-Feb-25	Life History of Mosquito
7-Feb-25	Genera of Anopheles, Culex, Aedes, Mansonia
8-Feb-25	Study of Malarial Parasite
Week-8	
23-Jan-25	Symptoms and Prevention of Malarial Parasite
24-Jan-25	Transmission of Dengue fever
25-Jan-25	Vectors of Dengue fever
Week-9	
13-Feb-25	Detail study of Chikungunya Disease
14-Feb-25	Symptoms and Diagnosis of Chikungunya
Week-10	
20-Feb-25	Prevention and control of Chikungunya
21-Feb-25	Transmission of Encephalitis
22-Feb-25	Symptoms and Prevention of Encephalitis
Week-11	
27-Feb-25	Complications Of Encephalitis
28-Feb-25	Test
Week-12	UNIT-3
6-Mar-25	Leshmaniasis
7-Mar-25	Life History of Sand fly
8-Mar-25	Control of Sand fly
Week-13	
20-Mar-25	Morphology of Housefly
21-Mar-25	Detailed Mouth parts of Housefly
22-Mar-25	Mechanical Vectors
Week-14	
27-Mar-25	Life cycle of Housefly
28-Mar-25	Disease transmitted by Housefly
29-Mar-25	Systematic Position
Week-15	
3-Apr-25	Test

	UNIT-4
4-Apr-25	Introduction of Insect Vector
Week-16	
10-Apr-25	Xenopsylla Cheopis
11-Apr-25	Disease of Flea Vector
12-Apr-25	Vector for Tapeworms
Week-17	
17-Apr-25	Flea Parasites
18-Apr-25	Study of Bugs as Insect Vectors
Week-18	
24-Apr-25	Reservoir of plague
25-Apr-25	Detailed study of Human flea
26-Apr-25	Test

Signature of Faculty-Neetu

GDC MEMORIAL COLLEGE, BAHAL (Bhiwani)
NAAC Accredited Grade “B”
Lesson Plan (Jan-Apr 2025)

Name – Neetu
 Class – B.Sc 1st. Year
 Semester – 2nd

Subject – Animal Diversity of Chordates
 Subject Code – 24UN-ZOO-201

Unit - 1

Week - 1	
2-Jan-25	Salient features of Chordates
3-Jan-25	principles of classification; Introduction to protochordates
Week - 2	
6-Jan-25	Urochordate - Systematic position; distribution
7-Jan-25	Ecology and Morphology
9-Jan-25	Affinities of Urochordates
10-Jan-25	Respiratory system of Herdmania
11-Jan-25	Circulation in Herdmania and Heart
Week - 3	UNIT-2
13-Jan-25	pisces- General Character and classification
16-Jan-25	Do
17-Jan-25	Emphasizing Biodiversity of pisces
Week - 4	
20-Jan-25	Scales in Pisces
21-Jan-25	Fins in fishes
23-Jan-25	Introduction of Labeo and skin in detail
24-Jan-25	Digestive system of Labeo
25-Jan-25	Respiratory system and Mechanism of Respiration in Labeo
Week - 5	
27-Jan-25	Brain and nerves in Labeo
28-Jan-25	Eye in Labeo
30-Jan-25	Structure and working of Heart of Labeo
31-Jan-25	Test
Week - 6	UNIT-3
3-Feb-25	General Character of Ambhibia
4-Feb-25	Classification upto classes level with examples
6-Feb-25	Do
7-Feb-25	parental care in Amphibia
8-Feb-25	Habitat ,Habits, Morphology of frog
Week - 7	
10-Feb-25	Digestive system of frog
11-Feb-25	Respiratory system and Mechanism of Respiration in frog
13-Feb-25	Do
14-Feb-25	Internal structure and working of Heart
Week - 8	
17-Feb-25	venous system of frog
18-Feb-25	portal system in frog and their significance
20-Feb-25	Blood of frog and it's Function
21-Feb-25	Do
22-Feb-25	Neotany in Amphibia
Week - 9	
24-Feb-25	Do
25-Feb-25	Structure and function of Brain in frog
27-Feb-25	cranial nerves of frog
28-Feb-25	spinal cord of frog and it's function
Week - 10	

