

Government Shivalik College Naya Nangal

Time Table Session 2021-22

Periods	0	1	2	3	4	5	6	7	8	9
Time-Class	08:15am-09:00am	09:00 am-09:45 am	09:45am-10:30am	10:30am-11:15am	11:15am-12:00 noon	12:00 noon-12:45pm	12:45 pm-01:30 pm	01:30pm-02:15pm	02:15pm-03:00pm	03:00pm-03:45pm
B.Sc.I Sem-I		Zoology (1-6) Lab.II-GK		Zoology (1-3) Lab.I-Dr. KK			Practical (Friday-Saturday) Lab II.-GK			
B.Sc.II Sem- III	Environment & Road Safety			Zoology (1-6) Lab.II-GK	Zoology (1-3) Lab.I-Dr. KK			Practical (Monday) Lab II.-GK (Tuesday) Lab II. Dr. KK		
B.Sc.III Sem-V		Zoology (1-6) Lab.I-Dr. KK				Zoology (1-3) Lab.II-GK	Practical (Friday-Saturday) Lab I.-Dr.KK			

Sumit Kan
Department of Zoology

Govt Shivalik College Naya Nangal

Work Load for B.Sc.-1st,2nd,3rd (Session 2021-22)

Department of zoology

Class	Period	Theory	Practical	Total Period
B.Sc.1st	1st(1-6) (9:00 to 9:45)	6	6 (Friday, Saturday)	12
B.Sc.2nd	3rd(1-6) (10:30 to 11:15)	6	3(Tuesday)	09
B.Sc.3rd	5th(1-3) (12:00 to 12:45)	3	--	03

Total= 24 Period

Gurmeet Kaur

Zoology department

Govt. Shivalik College, Naya Nangal-140126

Teaching Plan (Session 2021-2022)

Class: B.Sc.-I (Sem-I)

Teacher Name : Smt. Gurmeet Kaur

Subject: Zoology

Name of Paper : NON- CHORDATES

Sr. No.	Date (Weekly Schedule)	Subject Matter
1	01-10-21 to 07-10-21	Phyllum Protozoa- Conjugation in Paramecium
2	08-10-21 to 14-10-21	Phyllum Porifera – Canal System
3	15-10-21 to 21-10-21	Phyllum Platyhelminthis – Life Cycle of Fasciola Hepatica
4	22-10-21 to 28-10-21	Phyllum Aschelminthes – Life Cycle of Ascaris
5	29-10-21 to 05-11-21	Phyllum Annelida- Earth Worm
6	06-11-21 to 12-11-21	Phyllum Arthropoda – Terrestrial respiration in Periplaneta
7	13-11-21 to 19-11-21	Phyllum Onychophora – General Characteristics
8	20-11-21 to 26-11-21	Phyllum Mollusca – Torsion in Gastropoda, Definition of Torsion
9	27-11-21 to 02-12-21	Phyllum Echinodermata – Water vascular System in Asterias
10	03-12-21 to 09-12-21	Phyllum Hemichordata- Affinities
11	11-12-21 to 18-12-21	Character of Balanoglossus
12	20-12-21 to 26-12-21	Echinoderm larvae – Affinities with choradates
13	28-12-21 to 04-01-22	Revision
14	06-01-22 to 13-01-22	Revision & Class Test

Gurmeet Kaur

Teaching Plan (Session 2021-2022)

Class: B.Sc.-I (Sem-II)

Teacher Name : Smt. Gurmeet Kaur

Subject: Zoology

Name of Paper : CHORDATES

Sr. No.	Date	Subject Matter
1	05/03/22 to 20/03/2022	Brief classification of Chordata, chordate, character, Classification.
2	21/03/22 to 04/04/2022	Protochordata, General Characters, Affinities of Hemichordata study of Larval Forms.
3	05/04/2022 to 19/04/2022	Advanced features of vertebrates over Protochordate Agnatha, Pisces, General Characters.
4	20/04/2022 to 04/05/2022	Migration, Swim bladder, Osmoregulation in fishes, Economic Importance of fishes.
5	05/05/2022 to 19/05/2022	Origin of Tetrapode, Amphibia-General, Neotony Parental Care and Paedogenesis.
6	20/05/2022 to 03/06/2022	Higher Chordates various salient features of Higher chordate group Phylum Reptilia.
7	04/06/2022 to 18/06/2022	Phylum-Aves-General Characters, Origin and Ancestry of Birds, Flight adaptation, Perching Mech.
8	18/06/2022 to 30/06/2022	Mammals - General Characters, Origin ancestry, affinities of Prototheria Dentition of mammals.

Gurmeet Kaur

Teaching Plan (Session 2021-2022)

Class: B.Sc.-II (Sem-III)

Teacher Name : Smt. Gurmeet Kaur

Subject: Zoology

Name of Paper : Bio-Chemistry

Sr. No.	Date (Weekly Schedule)	Subject Matter
1	16-08-21 to 21-08-21	Biochemistry : its scope and importance
2	23-08-21 to 28-08-21	Biomolecules : Configuration and conformation
3	30-08-21 to 04-09-21	Carbohydrates – Monosaccharides its metabolism
4	06-09-21 to 11-09-21	Glycolysis, Citric acid Cycle
5	13-09-21 to 18-09-21	Pentose Phosphate pathway
6	20-09-21 to 25-09-21	Proteins – Amino acids-Structure, Classification
7	27-09-21 to 02-10-21	Essential and non-essential amino, Deamination
8	04-10-21 to 09-10-21	Levels of protein organization, Urea cycle, Transamination
9	11-10-21 to 16-10-21	Lipids : Structure saturated and unsaturated fatty acid
10	18-10-21 to 23-10-21	Triacylglycerols, Phospholipids, Glycolipids
11	25-10-21 to 30-10-21	Lipid metabolism B-oxidation of fatty acids
12	01-11-21 to 06-11-21	Nucleic Acids : Structure of Purines, Pyrimidines
13	08-11-21 to 13-11-21	Nucleic Acids metabolism
14	15-11-21 to 20-11-21	Enzymes : Nomenclature and classification
15	22-11-21 to 27-11-21	Cofactors , Isozymes
16	29-11-21 to 04-12-21	Mechanism of enzyme action
17	06-12-21 to 11-12-21	Enzyme kinetics
18	13-12-21 to 18-12-21	Derivation of Michaelis – Menton equation
19	20-12-21 to 25-12-21	Factors affecting rate of enzyme, Enzyme inhibition
20	27-12-21 to 01-01-22	Revision
21	03-01-22 to 08-01-22	Revision & Class Test

Gurmeet Kaur

Govt. Shivalik College, Naya Nangal-140126

Teaching Plan (Session 2021-2022)

Class: B.Sc.-II (Sem-IV)

Teacher Name : Smt. Gurmeet Kaur

Subject: Zoology

Name of Paper : GENETICS

Sr. No.	Date	Subject Matter
1	05/03/22 to 20/03/2022	Mendelism, Non Mendelian Gene interaction, Multiple alleles, Linkage.
2	21/03/22 to 04/04/2022	Crossing Over, Cytoplasmic Irheritance, Mutation
3	05/04/2022 to 19/04/2022	Sex determination Autosomes, Allosomes Sex linked inheritance.
4	20/04/2022 to 04/05/2022	Transposable Genetic Elements, uses of Transposons.
5	05/05/2022 to 19/05/2022	Human Genetic syndrome In Born Error of metabolism.
6	20/05/2022 to 03/06/2022	Genetic Analysis in Bacteria, Conjugation Transformation, Transduction.
7	04/06/2022 to 18/06/2022	Chromatin and Nucleosome Structure of Nucleosome.
8	18/06/2022 to 30/06/2022	Heterochromatin Constitutive and Facultative hetero chromatin.

Gurmeetkaur

Teaching Plan (Session 2021-2022)

Class: B.Sc.-III (Sem-V)

Teacher Name : Smt. Gurmeet Kaur

Subject: Zoology

Name of Paper : Genetics

Sr. No.	Date (Weekly Schedule)	Subject Matter
1	16-08-21 to 21-08-21	Modification of Mendelian ratios : Non-allelic gene interaction,
2	23-08-21 to 28-08-21	Modified F ₂ ratios (9:7,9:3:4,12:3:1,13:3,15:1,9:6:1)
3	30-08-21 to 04-09-21	Gene modifications due to incomplete dominance, lethal factors (2:1), Pleiotropic gene)
4	06-09-21 to 11-09-21	Multiple Alleles- Blood group inheritance, eye colour in Drosophila
5	13-09-21 to 18-09-21	Pseudo allelism, Multiple Factors, Qualitative Characters
6	20-09-21 to 25-09-21	Quantitative Characters, Skin colour in man
7	27-09-21 to 02-10-21	Extranuclear inheritance , Chloroplast with reference to Mirabilis Jalapa
8	04-10-21 to 09-10-21	Kappa particles in Paramecium, Population Genetics
9	11-10-21 to 16-10-21	Equilibrium of gene frequencies
10	18-10-21 to 23-10-21	Hardy Weinberg Law
11	25-10-21 to 30-10-21	Genetic recombination in bacteria
12	01-11-21 to 06-11-21	Conjugation
13	08-11-21 to 13-11-21	Transduction
14	15-11-21 to 20-11-21	Transformation
15	22-11-21 to 27-11-21	Recombinant DNA – Technology
16	29-11-21 to 04-12-21	Genetic Cloning
17	06-12-21 to 11-12-21	Genetic Cloning applications in medicine
18	13-12-21 to 18-12-21	Genetic Cloning applications in agriculture
19	20-12-21 to 25-12-21	DNA Finger Printing
20	27-12-21 to 01-01-22	Revision
21	03-01-22 to 08-01-22	Revision & Class Test

Gurmeet Kaur

Teaching Plan (Session 2021-2022)

Class: B.Sc.-III (Sem-VI)

Teacher Name : Smt. Gurmeet Kaur

Subject: Zoology

Name of Paper : MEDICAL LABORATORY TECHNOLOGY

Sr. No.	Date	Subject Matter
1	05/03/22 to 20/03/2022	Laboratory Safety rules Laboratory Techniques Collection, Transportation.
2	21/03/22 to 04/04/2022	Bacteriology, Sterilisation, Staining Techniques.
3	05/04/2022 to 19/04/2022	Bacterial Culture, Antibiotic Sensitivity.
4	20/04/2022 to 04/05/2022	Haematology Collection of Blood TLC, DLC platelet Counts.
5	05/05/2022 to 19/05/2022	Biochemistry : Protein estimation, Estimation of Blood Urea, Sugar.
6	20/05/2022 to 03/06/2022	Estimation of Bile Pigment, Ketone bodies enzyme studies Liver function Test.
7	04/06/2022 to 18/06/2022	Histopathology, Common Fixatives, Staining Techniques.
8	18/06/2022 to 30/06/2022	Histochemistry, Principle and method, Staining of Carbohydrates, Periodic acid Schiff, Sudan black blue.

Gurmeet Kaur