

Class: M. Sc – I semester			Lesson plan: Session 2019-2020		Subject: Zoology
Date	Lecture No.	Teacher's Name	Paper	Chapter	Topic
01.08.19	1	R.N. Singh	I	Non-Chordata	Nutrition in Protozoa
02.08.19	2	R.N. Singh	I	Non-Chordata	Nutrition in Protozoa
03.08.19	1	Navneet Kumar	II	Principles and use of instruments	Balances, flame photometry
06.08.19				CLASS TEACHING	
07.08.19	2	NK	II	Principles and use of instruments	Balances, flame photometry
08.08.19	3	NK	II	Principles and use of instruments	Spectrophotometer
09.08.19	1	VKS	III	Chemical equilibrium	Law of Mass action
10.08.19	2	VKS	III	Chemical equilibrium	Elementary thermodynamic system,
13.08.19	3	VKS	III	Chemical equilibrium	Elementary thermodynamic system,
14.08.19				CLASS TEACHING	
16.08.19	1	SK	IV	Current status of Mendalism	Interaction of genes
17.08.19	2	SK	IV	Current status of Mendalism	Interaction of genes
19.08.19	3	R.N. Singh	I	Non-Chordata	Nutrition in Protozoa
20.08.19	4	R.N. Singh	I	Non-Chordata	Reproduction in Protozoa
21.08.19	4	NK	II	Principles and use of instruments	Spectrofluorophotometer
22.08.19				CLASS TEACHING	
24.08.19	5	NK	II	Principles and use of instruments	Atomic Absorption Spectrophotometry
26.08.19	4	VKS	III	Chemical equilibrium	Elementary thermodynamic system,
27.08.19	5	VKS	III	Chemical equilibrium	calculation of free energy change during biological redox reactions
28.08.19	3	SK	IV	Current status of Mendalism	Cytoplasmic inheritance
29.08.19	4	SK	IV	Current status of Mendalism	Cytoplasmic inheritance
30.09.19				MONTHLY EVALUATION	
02.09.19	5	R.N. Singh	I	Non-Chordata	Reproduction in Protozoa
03.09.19	6	R.N. Singh	I	Non-Chordata	Origin of Metazoa
04.09.19	6	NK	II	Principles and use of instruments	Atomic Absorption Spectrophotometry
05.09.19	7	NK	II	Microbial techniques	Media preparation and type Sterilization
06.09.19	6	VKS	III	Biological chemistry	Acid and base
07.09.19				CLASS TEACHING	
19.09.19	7	VKS	III	Biological chemistry	Amphoteric ions
11.09.19	5	SK	IV	Genetics	Environment and heredity
13.09.19	6	SK	IV	Genetics	Lethal genes
14.09.19	7	R.N. Singh	I	Non-Chordata	Origin of Metazoa
16.09.19	8	R.N. Singh	I	Porifera	Organisation and affinity of porifera
17.09.19				CLASS TEACHING	
19.09.19	9	R.N. Singh	I	Coelenterata	Polymorphism In Coelenterata & Colony formation
20.09.19	8	NK	II	Microbial Techniques	Inoculation And Growth Monitoring, use of fermentations; Microbial Assays
21.09.19	9	NK	II	Chromatography	Thin Layer Chromatography (TLC)
23.09.19	8	VKS	III	Kinetics Of Enzyme Reaction	Zwitter ions, Kinetics Of Enzyme-Catalyzed Reactions
24.09.19	9	VKS	III	Kinetics Of Enzyme Reaction	Two Substrate Reactions; Temperature Coefficient, Activation Energy
25.09.19				Monthly Evaluation	

26.09.19	7	SK	IV	Genetics	Sex-Linked Inheritance
27.09.19	8	SK	IV	Genetics	Sex-Linked Inheritance
30.09.19	10	R.N. Singh	I	Helminthes & Nematodes	Life Cycle Patterns In Helminthes Parasites & Ecology Of Soil Nematodes
01.10.19	11	R.N. Singh	I	Helminthes & Nematodes	Ecology Of Soil Nematodes
03.10.19	12	R.N. Singh	I	Polychaeta	Adaptive Radiation In Polychaeta & Segmental Organs In Annelida.
04.10.19				CLASS TEACHING	
05.10.19	10	NK	II	Chromatography	Gas Liquid Chromatography (GLC)
12.10.19	11	NK	II	Chromatography	Ion Exchange Chromatography, Column Chromatography
14.10.19	10	VKS	III	Enzyme Inhibition	Competitive Inhibitors & Non-Competitive Inhibitors
15.10.19	11	VKS	III	Enzymes	Allosteric Enzymes
16.10.19	9	SK	IV	Chromosome	Multiple Allelism ; Numerical And Structural Chromosome Aberrations
17.10.19				CLASS TEACHING	
18.10.19	10	SK	IV	Chromosome	DNA Replication
21.10.19	12	NK	II	Chromatography	Gel Exclusion, High Performance Liquid Chromatography (HPLC)
22.10.19	13	NK	II	Chromatography	Gel Exclusion Chromatography, Affinity Chromatography, Separation of Biomolecules by Electrophoresis
23.10.19	12	VKS	III	Vitamins	Structure And Function Of Vitamins
30.10.19	13	VKS	III	Vitamins	Structure And Function Of Vitamins
31.10.19				Monthly Evaluation	
01.11.19	12	VKS	III	Aerobic And Anaerobic Energy Production From Carbohydrates	Glycolysis, HMP Shunt
04.11.19	11	SK	IV	Transposable Elements	Transposable Elements In Prokaryotes And Eukaryotes and their role
05.11.19	12	SK	IV	Microbial Genetics	Bacterial Transformation, Transduction, conjugation
06.11.19	14	NK	II	Centrifugation	Principles Of Differential Centrifugation,
07.11.19	14	VKS	III	Energetic	β -Oxidation Of Fatty Acids,
09.11.19				CLASS TEACHING	
11.11.19	15	VKS	III	Energetic	Deamination Of Amino Acids Phenylalanine,
13.11.19	16	VKS	III	Energetic	Aspartate, Proline, Threonine,
14.11.19	13	SK	IV	Microbial Genetics	Bacterial Chromosome, Bacteriophages
15.11.19	14	SK	IV	Molecular Cytogenetics	FISH, GISH
16.11.19	15	SK	IV	Molecular Cytogenetics	DNA Finger Printing
18.11.19				CLASS TEACHING	
20.11.19	17	VKS	III	Biosynthesis Of Amino Acids	Proline, Threonine
19.11.19	18	VKS	III	Biosynthesis Of Amino Acids	Tryptophan & Phenylalanine, Aspartate
20.11.19	16	SK	IV	Molecular Cytogenetics	Flow Cytometry Chromosome Painting
21.11.19	17	SK	IV	Elements Of Eugenics	Eugenics
22.11.19	19	VKS	III	Biosynthesis	Glycogen, urea
23.11.19				CLASS TEACHING	
25.11.19	20	VKS	III	Enzymes	Immobilized Enzymes

26.11.19	18	SK	IV	Elements Of Eugenics	Eugenics
27.11.19	19	SK	IV	Genes	Imprinting Of Genes
28.11.19	21	VKS	III	Enzymes	Applications Of Immobilized Enzymes.
29.11.19	20	SK	IV	Genes	Chromosomes And Genes, Gene Therapy
30.11.19				MONTHALY EVALUATION	