

Maharana Pratap P. G. College, jungle Dhusan, Gorakhpur

Class: B.Sc. Part III		Lesson plan: Session 2018-2019		Subject: Zoology	
Date	Lecture No.	Teacher's Name	Paper	Chapter	Topic
16.07.18	1	N K	I	Ecosystem	General organization and tropic structure
17.07.18	1	N K	II	Fishery	Fish culture
18.07.18	1	N K	III	Nutritional physiology	Balanced diet
18.07.18	1	R N Singh	IV	Cell Physiology	Glycolysis
19.07.18				CLASS TEACHING	
19.07.18	1	N K	IV	Biological tools for recombinant technology	Enzyme
20.07.18	2	N K	IV	Ecosystem	Energy flow
21.07.18	3	N K	I	Ecosystem	Energy flow
23.07.18	2	N K	II	Fishery	Fish culture
24.07.18	3	N K	II	Fishery	Economic Importance of Fish
25.07.18	2	N K	IV	Biological tools for recombinant technology	Linker
25.07.18	2	R N Singh	IV	Cell physiology	Glycolysis
26.07.18				CLASS TEACHING	
26.07.18	2	N K	II	Nutritional Physiology	Regulation Hunger and satiety
27.07.18	4	N K	I	Ecosystem	Type of Ecological Pyramid
28.07.18	5	N K	I	Biogeochemical cycle	Nitrogen
30.07.18	3	N K	I	Biological tool for recombinant DNA Technology	Cloning Vectors: Plasmids
31.07.18	3	N K	II	Nutritional physiology	Regulation of food movement
01.08.18	3	R N Singh	IV	Cell physiology	Glycolysis
01.08.18	4	N K	II	Fishery	Important food fishes and their disease
02.08.18				CLASS TEACHING	
02.08.18	4	N K	IV	Biological tool for recombinant DNA technology	Bacteriophage vectors
03.08.18	6	N K	I	Biogeochemical cycle	Phosphorus
04.08.18	7	N K	I	Biogeochemical cycle	Sulphur

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Date	Lecture No.	Teacher's Name	Paper	Chapter	Topic
06.08.18	5	N K	II	Poultry farming	Poultry farming
07.08.18	6	N K	II	Poultry farming	Poultry farming
08.08.18	7	N K	II	Dairy forming	Important breeds of dairy cattle
08.08.18	4	R N Singh	IV	Cell physiology	Krebs Cycle
09.08.18				CLASS TEACHING	
09.08.18	8	N K	I	Pollution	Water
10.08.18	9	N K	I	pollution	Air
11.08.18	8	N K	II	Dairy forming	Balanced diet of milking cow
12.08.18	9	N K	II	Dairy forming	Milk product
13.08.18	4	N K	III	Nutrition Physiology	Regulation of secretion of digestive juice
16.08.18	5	N K	III	Respiration	Mechanism of breathing
16.08.18	5	R N Singh	IV	Cell physiology	Krebs Cycle
17.08.18				CLASS TEACHING	
18.08.18	10	N K	I	Pollution	Air
20.08.18	1	S K	II	Economic Zoology	Rat menace and its control
21.08.18	11	N K	I	Pollution	Noise
23.08.18	5	N K	IV	Biological tool for recombinant DNA technology	Cosmids
23.08.18	2	S K	II	Dairy forming	Processing of milk
24.08.18	6	NK	III	Respiration	Regulation of breathing
25.08.18				MONTHALY EVALUATION	
27.08.18	12	NK	I	Wildlife	Importance and causes of destruction
28.08.18	13	NK	I	Conservation of wild life	National park and centuries
29.08.18	3	S K	II	Economic Zoology	Rat menace and its control
29.08.18	6	R N Singh	IV	Cell physiology	Krebs Cycle
30.08.18	4	S K	II	Apis	General features and life history
30.08.18	7	NK	IV	Techniques of genetic engineering	Strategies of recombinant DNA technology

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01.09.18	7	NK	III	Respiration	Transport of O ₂
04.09.18				CLASS TEACHING	
05.09.18	7	RN Singh	IV	Cell physiology	Electron transport system
05.09.18	14	NK	I	Conservation of wild life	Biosphere reserve
06.09.18	15	NK	I	Wild life conservation	Wild life organization
06.09.18	8	NK	IV	Technique of genetic engineering	DNA library: genomic DNA
07.09.18	5	S K	II	Bombyx mori	General features and life history
08.09.18	8	NK	III	Respiration	Transport of CO ₂
10.09.18	6	S K	II	Apis	Useful products
11.09.18				CLASS TEACHING	
12.09.18	8	RN Singh	IV	Cell physiology	Electron transport system
12.09.18	16	NK	I	Community	Basic structure
13.09.18	17	NK	I	Community	Species diversity and dominance
13.09.18	9	NK	IV	Technique of genetic engineering	DNA library: DNA
14.09.18	7	S K	II	Tacharidia	General features and life history
15.09.18	8	S K	II	Bombyx	Useful products
17.09.18	9	NK	III	Blood and circulation	Regulation of heart beat
18.09.18				CLASS TEACHING	
19.09.18	19	NK	I	Ecological succession	Pattern of succession
19.09.18	9	RN Singh	IV	Cell physiology	Electron transport system
20.09.18	9	S K	II	Economically important phytoparasitic nematode	General survey
20.09.18	18	NK	I	Ecological succession	Kind and classes of succession
22.09.18	10	NK	IV	Technology in genetic engineering	Hybridoma technology and production of monoclonal antibodies
24.09.18	10	S K	II	Bombyx	Useful products
25.09.18	10	NK	III	Blood circulation	Hemodynamic
26.09.18				MONTHLY EVALUATION	

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Date	Lecture No.	Teacher's Name	Paper	Chapter	Topic
26.09.18	20	NK	I	Ecological succession	Pattern of succession
27.09.18	21	N K	I	population	Interspecific relation
27.09.18	11	NK	IV	Technology in genetic engineering	Blotting techniques: Southern blotting
28.09.18	11	S K	II	Economically important Insect pest of some crop	General survey
01.10.18	12	S K	II	Graphical representation of data	Histogram
03.10.18	13	S K	II	Graphical representation of data	Frequency polygon
03.10.18	11	NK	III	Blood circulation	Cardiac output
04.10.18	22	N K	I	population	Interspecific relation
04.10.18	10	RN Singh	IV	Cell physiology	Electron transport system
05.10.18				CLASS TEACHING	
06.10.18	23	N K	I	population	Intraspecific relation
09.10.18	24	N K	I	Toxicology	Introduction and scope
10.10.18	14	S K	II	Graphical representation of data	Cumulative Frequency graph/ogive
10.10.18	11	R N Singh	IV	Nucleic acid	Structure of DNA
11.10.18	12	NK	III	Blood circulation	Blood pressure
11.10.18	12	N K	IV	Technology in genetic engineering	Blotting techniques: Northern and Western blotting
12.10.18	15	S K	II	Central tendency	mean
13.10.18				CLASS TEACHING	
15.10.18	25	N K	I	Environmental Toxicants	Biological and technological ill effects
16.10.18	26	N K	I	Environmental Toxicants	Biological and technological ill effects
17.10.18	16	S K	II	Central tendency	median
17.10.18	17	S K	II	Central tendency	mode
22.10.18	13	NK	III	Blood circulation	Vasomotion
24.10.18	13	N K	IV	Biotechnological process	Nuclear cloning
24.10.18	12	R N Singh	IV	Nucleic acid	Structure of DNA
25.10.18				MONTHLY EVALUATION	

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Date	Lecture No.	Teacher's Name	Paper	Chapter	Topic
25.10.18	27	N K	I	Environmental Toxicants	Biological and technological ill effects
26.10.18	28	N K	I	Environmental Toxicants	Biological and technological ill effects
27.10.18	18	S K	II	Central tendency	mode
29.10.18	14	N K	III	Excretion and osmoregulation	Regulation of kidney function
31.10.18	15	N K	III	Blood circulation	Blood Volume
31.10.18	14	N K	IV	Biotechnological process	Cellular interaction
01.11.18	16	N K	III	Excretion and osmoregulation	Regulation of kidney function
01.11.18	13	R N Singh	IV	Nucleic acid	Structure of DNA
02.11.18				CLASS TEACHING	
03.11.18	29	N K	I	Dose-Response relationship	Graded
12.11.18	30	N K	I	Dose-Response relationship	Quantal and Cumulative
13.11.18	19	S K	II	Variability	Standard Deviation
14.11.18	17	N K	III	Excretion and osmoregulation	Regulation of kidney function
14.11.18	15	N K	IV	Genetic engineering for human welfare	Human peptide hormone genes
15.11.18	18	N K	III	Excretion and osmoregulation	Cellular permeability : Passive transport
15.11.18	14	R N Singh	IV	Nucleic acid	Structure of RNA
16.11.18				CLASS TEACHING	
17.11.18	31	N K	I	Antidotal therapy	procedures
19.11.18	32	N K	I	Antidotal therapy	procedures
20.11.18	20	S K	II	Variability	Standard Deviation
21.11.18	19	N K	III	Excretion and osmoregulation	Cellular permeability : Active transport
21.11.18	16	N K	IV	Genetic engineering for human welfare	Human interferon genes
22.11.18	15	R N Singh	IV	Nucleic acid	Synthesis of Nucleic acid
22.11.18	20	N K	III	Excretion and osmoregulation	Salt and water balance
23.11.18				CLASS TEACHING	
24.11.18	33	N K	I	Selective toxicity	Translocation factor and Biotransformation

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Date	Lecture No.	Teacher's Name	Paper	Chapter	Topic
26.11.18	34	N K	I	Translocation of chemicals	Membrane barriers
27.11.18	21	S K	II	Normal probability curve	Basic feature
28.11.18	17	N K	IV	Genetic engineering for human welfare	Gene for vaccines
28.11.18	21	N K	III	Excretion and osmoregulation	Salt and water balance
29.11.18	16	R N Singh	IV	Nucleic acid	Synthesis of Nucleic acid
29.11.18	22	N K	III	Muscular System	Structure and type of muscle
30.11.18				MONTHALY EVALUATION	
01.12.18	35	N K	I	Translocation of chemicals	Storage and depots
03.12.18	36	N K	I	Translocation of chemicals	Biotransformation sites (Phase Ist and Phase IInd reaction)
06.12.18	22	S K	II	Normal distribution curve	Measures of deviation
06.12.18	18	N K	IV	Genetic engineering for human welfare	Gene for vaccines
07.12.18	24	N K	III	Muscular system	Innervations of muscle
08.12.18	25	N K	III	Nervous system	General organization of Autonomic Nervous System
11.12.18				CLASS TEACHING	
12.12.18	37	N K	I	Phase Ist	Hydrolysis
12.12.18	19	N K	IV	Genetic engineering for human welfare	Antenatal diagnosis of hemoglobinopathies
13.12.18	17	R N Singh	IV	Nucleic acid	Synthesis of Nucleic acid
13.12.18	38	N K	I	Phase Ist	Reduction
14.12.18	23	S K	II	Leishmania	Pathology, Prevention and control
15.12.18	26	N K	III	Nervous system	Regulatory action of Autonomic Nervous System
17.12.18	27	N K	III	Nervous system	Structure and type of synapse
18.12.18				MONTHALY EVALUATION	
19.12.18	39	N K	I	Phase Ist	Non-microsomal oxidation
19.12.18	18	R N Singh	IV	Protein	Protein synthesis
20.12.18	20	N K	IV	Genetic engineering for human welfare	DNA Fingerprinting
20.12.18	24	S K	II	Trypanosoma	Pathology, Prevention and control

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21.12.18	40	N K	I	Phase Ist	Microsomal oxidation
22.12.18	28	N K	III	Nervous system	Synaptic transmission
31.12.18	29	N K	III	Endocrine regulation	Hypothalamo-hypophyseal system
01.01.19				CLASS TEACHING	
02.01.19	41	N K	I	Phase IInd	Conjugation
02.01.19	20	N K	IV	Genetic engineering for human welfare	Animal improvement
03.01.19	21	R.N. Singh	IV	Protein synthesis	Protein synthesis
03.01.19	43	N.K.	I	Toxicological testing methods	Mortality test
04.01.19	42	NK	I	Toxicological testing methods	Mortality tests
05.01.19	25	S K	II	Heterodera	Pathology, prevention and control
07.01.19	30	NK	III	Endocrine regulation	Hypothalamo-hypophyseal system
08.01.19				CLASS TEACHING	
09.01.19	31	NK	III	Endocrine regulation	Hormonal action at cellular level
09.01.19	21	R.N. Singh	IV	Protein	Regulation of Protein synthesis
10.01.19	45	NK	I	Toxicity test	Skin, Eye, behavioral and Biochemical
10.01.19	20	R.N. Singh	IV	Protein synthesis	Protein synthesis
11.01.19	44	NK	I	Toxicity test	Acute, Subacute and Chronic Toxicity
12.01.19	26	S K	II	Tribolium	Pathology prevention and control
17.01.19	23	R.N. Singh	IV	Protein synthesis	Regulation of protein synthesis
17.01.19	33	NK	III	Endocrine regulation	Cyclic AMP
18.01.19				CLASS TEACHING	
19.01.19	46	NK	I	Toxicity tests	Reproductive and physiological
21.01.19	47	N K	I	Toxicity tests	Teratogenic and Haematological
23.01.19	22	R.N. Singh	IV	Protein synthesis	Regulation of protein synthesis
23.01.19	27	S K	II	Mosquitoes	Diseases, Transmitted and Control
24.01.19	34	N K	III	Thermoregulation in vertebrate	Mechanism

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24.01.19	24	R.N. Singh	IV	Immune	Immune Response
25.01.19	32	NK	III	Endocrine regulation	Hormonal action at cellular level
28.01.19				MONTHLY EVALUATION	
29.01.19	47	N K	I	Toxicity tests	Carcinogenesis and Histopathological
30.01.19	37	N K	II	Housefly	Diseases, Transmitted and Control
30.01.19	25	R.N. Singh	IV	Immune	Immune Response