

MHARANA PRATAP P.G. COLLEGE, JUNGLE DHUSAN, GORAKHPUR

Class: B.Sc. IV Semester

Theory: 2024-25

Subject: Zoology

Date	Lecture No.	Teacher's Name	Unit	Chapter	Topic
16.01.25	1	R.N.Singh	I	Principle of Gene Manipulation	Recombinant DNA Technology
17.01.25	1	SK	II	Appl. Of Genetic Engineering	Single cell proteins
18.01.25	2	R.N.Singh	III	Enzyme Technology	Microbial culture
20.01.25		SK	CT	CT	
21.01.25	3	R.N.Singh	IV	DNA Diagnostic	Genetic analysis of human disease Detection of known and unknown mutation
22.01.25	2	SK	V	Biostatistics I	Calculation of mean, median, mode
23.01.25	4	R.N.Singh	VI	Biostatistics II	Data summarizing; frequency distribution
24.01.25	3	SK	VII	Basics of Computers	Basis (CPU,I/O units)
25.01.25	5	R.N.Singh	VIII	Bioinformatics	Database; nucleic acids, genome
27.01.25		SK	CT	CT	
28.01.25	6	R.N.Singh	I	Principle of Gene Manipulation	Recombinant DNA Technology
29.01.25	4	SK	II	Appl. Of Genetic Engineering	Single cell proteins
30.01.25	7	R.N.Singh	III	Enzyme Technology	Microbial culture
31.01.25	5	SK	IV	DNA Diagnostic	Genetic analysis of human disease Detection of known and unknown mutation
1.02.25	8	R.N.Singh	V	Biostatistics I	Calculation of mean, median, mode
4.02.25		SK	CT	CT	
5.02.25	9	R.N.Singh	VI	Biostatistics II	Graphical presentation bar, pie diagram
6.02.25	6	SK	VII	Basics of Computers	Basis (CPU,I/O units)
7.02.25	10	R.N.Singh	VIII	Bioinformatics	Database; nucleic acids, genome
8.02.25	7	SK	I	Principle of Gene Manipulation	Restriction Enzymes
10.02.25	11	R.N.Singh	II	Appl. Of Genetic Engineering	Biosensor, Biochips
11.02.25		SK	ME	ME	
13.02.25	12	R.N.Singh	III	Enzyme Technology	Methods of enzyme production
14.02.25	8	SK	IV	DNA Diagnostic	DNA fingerprinting Concept of pharmacogenomics
15.02.25	13	R.N.Singh	V	Biostatistics I	Variance, standard deviation
17.02.25	9	SK	VI	Biostatistics II	Graphical presentation bar, pie diagram
18.02.25	14	R.N.Singh	VII	Basics of Computers	Operating systems
19.02.25		SK	CT	CT	

20.02.25	15	R.N.Singh	VIII	Bioinformatics	Protein sequences and structure, bibliography Sequence analysis; pairwise and multiple
21.02.25	10	SK	I	Principle of Gene Manipulation	DNA modifying enzymes
22.02.25	16	R.N.Singh	II	Appl. Of Genetic Engineering	Biosensor, Biochips
24.02.25	17	R.N.Singh	III	Enzyme Technology	Methods of enzyme production
25.02.25	11	SK	IV	DNA Diagnostic	DNA fingerprinting Concept of pharmacogenomics
27.02.25	18	R.N.Singh	CT	CT	
28.02.25		SK	V	Biostatistics I	Variance, standard deviation
1.03.25	19	R.N.Singh	VI	Biostatistics II	Histogram
3.03.25	12	SK	VII	Basics of Computers	Operating systems
4.03.25	20	R.N.Singh	VIII	Bioinformatics	Protein sequences and structure, bibliography Sequence analysis; pairwise and multiple
5.03.25	13	SK	I	Principle of Gene Manipulation	Cloning Vectors, Ligation
6.03.25	21	R.N.Singh	ME	ME	
7.03.25	14	SK	II	Appl. Of Genetic Engineering	Crop and live stock, Improvement
8.03.25	22	R.N.Singh	III	Enzyme Technology	Immobilization of enzymes
10.03.25	15	SK	IV	DNA Diagnostic	Pharmacogenetics
11.03.25	23	R.N.Singh	V	Biostatistics I	Concept of coefficient of variation
17.03.25	16	SK	VI	Biostatistics II	Histogram Tests of signification
18.03.25	24	R.N.Singh	CT	CT	
19.03.25	17	SK	VII	Basics of Computers	Websites
20.03.25	25	R.N.Singh	VIII	Bioinformatics	Sequence alignments
21.03.25	18	SK	I	Principle of Gene Manipulation	Gene transfer Technique, gene therapy
22.03.25	26	R.N.Singh	II	Appl. Of Genetic Engineering	Crop and live stock, Improvement
1.04.25	19	SK	III	Enzyme Technology	Immobilization of enzymes
2.04.25	27	R.N.Singh	CT	CT	
3.04.25	20	SK	IV	DNA Diagnostic	Personalized medicine
4.04.25	28	R.N.Singh	V	Biostatistics I	Concept of coefficient of variation
5.04.25	21	SK	VI	Biostatistics II	One and two sample tests
7.04.25	29	R.N.Singh	VII	Basics of Computers	Websites
8.04.25	22	SK	VIII	Bioinformatics	Phylogenetic analysis
9.04.25	30	R.N.Singh	CT	CT	
11.04.25	23	SK	I	Principle of Gene Manipulation	Gene transfer Technique, gene therapy
12.04.25	31	R.N.Singh	II	Appl. Of Genetic Engineering	Development of DNA drugs, Vaccines
15.04.25	24	SK	III	Enzyme Technology	Immobilization of enzymes
16.04.25	32	R.N.Singh	IV	DNA Diagnostic	Personalized medicine
17.04.25	25	SK	V	Biostatistics I	Skewness, Kurtosis

19.04.25	33	R.N.Singh	ME	ME	
21.04.25	26	SK	VI	Biostatistics II	One and two sample tests
22.04.25	34	R.N.Singh	VII	Basics of Computers	World wide web
23.04.25	27	SK	VIII	Bioinformatics	Phylogenetic analysis
24.04.25	35	R.N.Singh	I	Principle of Gene Manipulation	Selection and identification of recombinant cells
25.04.25	28	SK	II	Appl. Of Genetic Engineering	Development of DNA drugs, Vaccines
26.04.25	36	R.N.Singh	CT	CT	
28.04.25	29	SK	III	Enzyme Technology	Application
29.04.25	37	R.N.Singh	IV	DNA Diagnostic	Optimizing drug therapy
30.04.25	30	SK	V	Biostatistics I	Elementary idea of probability & application