

MHARANA PRATAP P.G. COLLEGE, JUNGLE DHUSAN, GORAKHPUR**Class: B.Sc. II Semester****Theory: 2024-25****Subject: Zoology**

Date	Lecture No.	Teacher's Name	Unit	Chapter	Topic
16.01.25	1	R.N.Singh	I	Structure and function of Biomolecules	Structure and biological importance of carbs
17.01.25	1	SK	II	Enzyme action and regulation	Nomenclature and classification of enzyme
18.01.25	2	R.N.Singh	III	Metabolism of carb and lipids	Glycolysis, TCA cycle, gluconeogenesis
20.01.25		SK	CT	CT	
21.01.25	3	R.N.Singh	IV	Metabolism of Proteins & Nucleotide	Catabolism of amino acid, transamination, deamination
22.01.25	2	SK	V	Digestion and respiration	Structure organization and function of gastrointestinal track
23.01.25	4	R.N.Singh	VI	Circulation and excretion	Blood and its functions
24.01.25	3	SK	VII	Nervous system and endocrinology	Structure of neuron, resting membrane potential
25.01.25	5	R.N.Singh	VII	Muscular system	Histology of different types of muscles
27.01.25		SK	CT	CT	
28.01.25	6	R.N.Singh	I	Structure and function of Biomolecules	Structure and biological importance of carbs
29.01.25	4	SK	II	Enzyme action and regulation	Cofactor specificity of enzyme action
30.01.25	7	R.N.Singh	III	Metabolism of carb and lipids	Glycolysis, TCA cycle, gluconeogenesis
31.01.25	5	SK	IV	Metabolism of Proteins & Nucleotide	Catabolism of amino acid, transamination, deamination
1.02.25	8	R.N.Singh	V	Digestion and respiration	Digestion & absorption of carbs, proteins lipids water minerals and vitamins
4.02.25		SK	CT	CT	
5.02.25	9	R.N.Singh	VI	Circulation and excretion	Haemostasis blood clotting
6.02.25	6	SK	VII	Nervous system and endocrinology	Structure of neuron, resting membrane potential
7.02.25	10	R.N.Singh	VIII	Muscular system	Histology of different types of muscles
8.02.25	7	SK	I	Structure and function of Biomolecules	Lipids
10.02.25	11	R.N.Singh	II	Enzyme action and regulation	Isoenzyme
11.02.25		SK	ME	ME	
13.02.25	12	R.N.Singh	III	Metabolism of carb and lipids	Glyconeogenesis, glycogenesis
14.02.25	8	SK	IV	Metabolism of Proteins & Nucleotide	Urea cycle, nucleotides and vitamins
15.02.25	13	R.N.Singh	V	Digestion and respiration	Digestion & absorption of carbs, proteins lipids water minerals and vitamins

17.02.25	9	SK	VI	Circulation and excretion	Blood group structure of heart
18.02.25	14	R.N.Singh	VII	Nervous system and endocrinology	Origin of action potential its propagation across the mylenated and unmylenated nerve fibre
19.02.25		SK	CT	CT	
20.02.25	15	R.N.Singh	VIII	Muscular system	Ultra structure of skeletal muscles
21.02.25	10	SK	I	Structure and function of Biomolecules	Structure classification of amino acid
22.02.25	16	R.N.Singh	II	Enzyme action and regulation	Enzyme kinetics, michalelismenete equation
24.02.25	17	R.N.Singh	III	Metabolism of carb and lipids	Glyconeogenesis, glycogenesis
25.02.25	11	SK	IV	Metabolism of Proteins & Nucleotide	Urea cycle, nucleotides and vitamins
27.02.25	18	R.N.Singh	CT	CT	
28.02.25		SK	V	Digestion and respiration	Digestion & absorption of carbs, proteins lipids water minerals and vitamins
1.03.25	19	R.N.Singh	VI	Circulation and excretion	Cardiac cycle, output and its regulation
3.03.25	12	SK	VII	Nervous system and endocrinology	Origin of action potential its propagation across the mylenated and unmylenated nerve fibre
4.03.25	20	R.N.Singh	VIII	Muscular system	Molecular and chemical basis of muscles contraction
5.03.25	13	SK	I	Structure and function of Biomolecules	Essential and non-essential amino acid
6.03.25	21	R.N.Singh	ME	ME	
7.03.25	14	SK	II	Enzyme action and regulation	Enzyme kinetics, michalelismenete equation
8.03.25	22	R.N.Singh	III	Metabolism of carb and lipids	Biosynthesis of palmitic acid, ketogenesis
10.03.25	15	SK	IV	Metabolism of Proteins & Nucleotide	Review of mito. Respiratory chain
11.03.25	23	R.N.Singh	V	Digestion and respiration	Histology of trachea and lungs
17.03.25	16	SK	VI	Circulation and excretion	Structure of kidney and its functions
18.03.25	24	R.N.Singh	CT	CT	
19.03.25	17	SK	VII	Nervous system and endocrinology	Types of synapse
20.03.25	25	R.N.Singh	VIII	Muscular system	Muscles twitch
21.03.25	18	SK	I	Structure and function of Biomolecules	Levels of organization in protein
22.03.25	26	R.N.Singh	II	Enzyme action and regulation	Allosteric enzyme regulation of enzyme
1.04.25	19	SK	III	Metabolism of carb and lipids	Biosynthesis of palmitic acid, ketogenesis
2.04.25	27	R.N.Singh	CT	CT	
3.04.25	20	SK	IV	Metabolism of Proteins & Nucleotide	Review of mito.

					Respiratory chain
4.04.25	28	R.N.Singh	V	Digestion and respiration	Mechanism of respiration, respiratory volume and capacity
5.04.25	21	SK	VI	Circulation and excretion	Structure of kidney and its functions
7.04.25	29	R.N.Singh	VII	Nervous system and endocrinology	Endocrine glands
8.04.25	22	SK	VIII	Muscular system	Muscles twitch
9.04.25	30	R.N.Singh	CT	CT	
11.04.25	23	SK	I	Structure and function of Biomolecules	Levels of organization in protein
12.04.25	31	R.N.Singh	II	Enzyme action and regulation	Allosteric enzyme regulation of enzyme
15.04.25	24	SK	III	Metabolism of carb and lipids	Beta oxidation, omega oxidation of fatty acid
16.04.25	32	R.N.Singh	IV	Metabolism of Proteins & Nucleotide	Oxidative phosphorylation
17.04.25	25	SK	V	Digestion and respiration	Mechanism of respiration, respiratory volume and capacity
19.04.25	33	R.N.Singh	ME	ME	
21.04.25	26	SK	VI	Circulation and excretion	Structure of kidney and its functions
22.04.25	34	R.N.Singh	VII	Nervous system and endocrinology	Endocrine glands
23.04.25	27	SK	VIII	Muscular system	Motor unit summation and tetanus
24.04.25	35	R.N.Singh	I	Structure and function of Biomolecules	Simple and conjugate proteins
25.04.25	28	SK	II	Enzyme action and regulation	Allosteric enzyme regulation of enzyme
26.04.25	36	R.N.Singh	CT		
28.04.25	29	SK	III	Metabolism of carb and lipids	Beta oxidation, omega oxidation of fatty acid,
29.04.25	37	R.N.Singh	IV	Metabolism of Proteins & Nucleotide	Review of mito. Respiratory chain and regulation
30.04.25	30	SK	V	Digestion and respiration	Transport of gases, Dissociation curve and control of respiration