

SHIVAJI COLLEGE, UNIVERSITY OF DELHI
DEPARTMENT OF BIOCHEMISTRY
INTERNAL ASSIGNMENT/PROJECTS/PRESENTATIONS
(Academic Year 2023-24)

Name of the Course : B.Sc. (H)

Semester: IV

Name of the Paper : Metabolism of Amino Acids and Nucleotides Maximum Marks: 10

Faculty Name: Dr. Abhijeet Mishra

Last Date of Submission: 24/03/24

Sr no	Name	Assignment Topic(s)
1	ANKITA DAS	Nitrogen cycle, incorporation of ammonia into biomolecules,
2	PARBON DEY	role of pyridoxal phosphate, Glucose-alanine cycle,
3	VEPENDER	Metabolism of one carbon unit
4	PRIYANKA BISHT	urea cycle, its regulation and inherited defects of urea cycle, Gamma Glutamyl cycle
5	POOJA	Catabolic pathways of individual amino acids, Glucogenic and ketogenic amino acids.
6	MANSI	Overview of amino acid synthesis: Biosynthesis of nonessential amino acids and its regulation
7	GAYATHRY KRISHNA	Disorders of amino acids metabolism, phenylketonuria,
8	MANSI	Disorders of amino acids metabolism, methyl malonic acidemia (MMA),
9	NIVEDITA SEN	Disorders of amino acids metabolism, homocystinuria,
10	JANHAVI S NAMBIAR	Precursor Functions of Amino Acids: Biosynthesis of creatine and creatinine,
11	ZEHRAN HUSSAIN	Precursor Functions of Amino Acids: catecholamines (dopamine, epinephrine, norepinephrine)
12	DEBDATTA CHATTERJEE	De novo synthesis of purine nucleotides. regulation and salvage pathways
13	GURSHEEN KAUR	De novo synthesis of pyrimidine nucleotides, regulation and salvage pathways
14	BHUMI KUMARI	Digestion of nucleic acids, degradation of purine and pyrimidine nucleotides
15	TUSHAR GUPTA	Lesch Nyhan Syndrome
16	HITESH	Inhibitors of nucleotide metabolism
17	SUMANGAL MURMU	SCID (Adenosine deaminase deficiency)
18	ANUSHKA NAWANI	Biosynthesis of deoxyribonucleotides and its regulation
19	DEEPANSHU KUMAR	conversion deoxyribonucleotides to triphosphates,
20	ABHINAV KUMAR	Gout

Faculty Signature:



21	AMAN SHARMA	biosynthesis of coenzyme nucleotides
22	VASUNDHARA RAJE	Integration of metabolic pathways (carbohydrate, lipid and amino acid metabolic pathways)
23	NEERAJ KUMAR	Precursor Functions of Amino Acids: neurotransmitters (serotonin, GABA)
24	DEVENDAR KUMAR	Disorders of amino acids metabolism: Hartnup's disease
25	MISHIKA	Disorders of amino acids metabolism: alkaptonuria
26	ASHISH KULLU	Precursor Functions of Amino Acids: Biosynthesis of polyamines (putrescine, spermine, spermidine),
27	ISMAIL RAZA	Role of essential and nonessential amino acids in growth and development, Metabolic fates of amino groups.
28	PRIYANSHU BISHT	Krebs bicycle
29	SAURABH KUMAR	Transamination (in detail)
30	Vikash	tissue specific metabolism (brain, muscle, and liver)



Faculty Signature: