College Name: …….
D. Pharm Second Year
Session: 2022-23
Assignment – II (33% Syllabus Covered)

S. No.	ENROLLMENT NO.	STUDENT NAME	BIOCHEMISTRY & CLINICAL PATHOLOGY
1.			Nucleic Acids
2.			Definition, purine and pyrimidine bases
3.			Components of nucleosides and nucleotides with examples
4.			Structure of DNA (Watson and Crick model) and their functions
5.			Structure of RNA and their functions
6.			Enzymes
7.			Definition, properties and IUB and MB classification
8.			Factors affecting enzyme activity
9.			Mechanism of action of enzymes,
10.			Enzyme inhibitors
11.			Therapeutic and pharmaceutical importance of enzymes
12.			Vitamins
13.			Definition and classification with examples
14.			Sources, chemical nature, functions of Vitamins
15.			Coenzyme form
16.			Recommended dietary requirements of Vitamins
17.			Deficiency diseases of fat-and water-soluble vitamins
18.			Metabolism of Biomolecules
19.			Metabolism of Carbohydrates
20.			Diseases related to abnormal metabolism of Carbohydrates
21.			Metabolism of lipids
22.			Diseases related to abnormal metabolism of lipids such as Ketoacidosis, Fatty liver, Hypercholesterolemia
23.			Metabolism of Amino acids (Proteins)
24.			Diseases related to abnormal metabolism of amino acids,
25.			Disorders of ammonia metabolism, phenylketonuria, alkaptonuria and Jaundice.
26.			Biological oxidation: Electron transport chain and Oxidative phosphorylation
27.			Nucleic Acids
28.			Definition, purine and pyrimidine bases

29.			Components of nucleosides and nucleotides with examples
30.			Structure of DNA (Watson and Crick model) and their functions
31.			Structure of RNA and their functions
32.			Enzymes
33.			Definition, properties and IUB and MB classification
34.			Factors affecting enzyme activity
35.			Mechanism of action of enzymes,
36.			Enzyme inhibitors
37.			Therapeutic and pharmaceutical importance of enzymes
38.			Vitamins
39.			Definition and classification with examples
40.			Sources, chemical nature, functions of Vitamins
41.			Coenzyme form
42.			Recommended dietary requirements of Vitamins
43.			Deficiency diseases of fat-and water-soluble vitamins
44.			Metabolism of Biomolecules
45.			Metabolism of Carbohydrates
46.			Diseases related to abnormal metabolism of Carbohydrates
47.			Metabolism of lipids
48.			Diseases related to abnormal metabolism of lipids such as Ketoacidosis, Fatty liver, Hypercholesterolemia
49.			Metabolism of Amino acids (Proteins)
50.			Diseases related to abnormal metabolism of amino acids,
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