

Abhinav Bindra Sports Medicine & Research Institute

BPT 1st year Internal Exam 2023

Biochemistry

Date: 03-10-23
F.M. – 100

Time: 09 AM – 12 NOON

Answer all the questions (20*3)

1. Define glycolysis. Describe the metabolism of glucose and write the functions of carbohydrate.
2. Describe the fatty acid oxidation and write the functions of lipids. How many ATPs are generated on oxidation of palmitic acid?
3. What are Isotopes? Write about their diagnostic role in various diseases and the hazards encountered by their use.
4. Write short notes of the following: **(10*4)**
 - a. Describe the metabolism of Amino acid. Write the function of essential amino acid?
 - b. Write down the source and biochemical function of Vitamin B₁₂ and Vitamin B₁₂ deficiency?
 - c. Classify enzymes with one example in each and write about the factors affecting enzyme action?
 - d. What is the source, daily requirement and function of iron and deficiency features?