Avinashilingam Institute for Home Science and Higher Education for Women
Coimbatore -641043
Continuous Internal Assessment II – April 2025
II Semester

Class :I UG **Time : 2 Hours**
Branch : Physiotherapy **Max. Marks : 60**

22BPTD02-Clinical Biochemistry

Course outcomes:

1. Knowledge of basics biological samples and preservation.
2. Understand the energy systems
3. Knowledge about the nutrition and activities
4. Understand the basic about the concept of metabolism
5. Knowledge about the clinical implications
6.

Part A
Answer all questions **6 x 1 =6**

1. Serum ALT level may increase in CO5K1
   a. Hepatitis b. Gastroenteritis c. Peptic ulcer d. Kidney disease
2. Amylase is produced by CO4K1
   a. stomach b. liver c. pancreas d. Gallbladder
3. Hormone sensitive lipase initiates CO5K1
   a. Glycolysis b. Proteolysis c. Lipolysis d. Glycogenolysis
4. Ammonia formed in the muscle as metabolic waste is transported to liver as CO4K1
   a. Glycine b. Alanine c. Aspartate d. Arginine
5. A nutritional disorder where wheat products is not tolerated CO4K1
   a. Celiac disease b. Lactose intolerance c. Menke disease d. Marfans
6. Carboxypeptidase is secreted by the CO3K1
   a. Liver b. Intestines c. Pancreas d. Stomach

Part B
Answer All questions **3 x 6 = 18**

7.a. Define BMR, factors affecting BMR (or) CO3K2
7.b. Discuss the importance of nutrition CO3K3
8.a. Discuss importance of dietary fibre(or) CO3K2
8.b. Describe Functions of proteins CO4K2
9.a. Explain Significance of quality of proteins and NPU(or) CO4K2
9.b. Discuss Renal function test CO5K3

Part C
Answer all questions **3 x 12=36**

11.a. Describe Carbohydrates- sources, functions and metabolism CO3K2
11.b. Elaborate on energy balance and types of energy expenditure CO3K3
12.a. Explain importance of Urea cycle (or) CO4K2
12.b. Describe Lipids- types and its metabolism CO4K2
13.a. Discuss Liver function tests(or) CO5K3
13.b. Discuss relevance of serum levels of glucose and lipids CO5K2

Copies- 33 **Staff: Mrs Swapna C**