



## Avinashilingam Institute for Home Science and Higher Education for Women

Deemed to be University Estd. u/s 3 of UGC Act 1956, Category 'A' by MHRD (now MoE)

Re-accredited with 'A++' Grade by NAAC. CGPA 3.65/4, Category I by UGC

Coimbatore - 641 043, Tamil Nadu, India

### Continuous Internal Assessment Test I – February 2025

#### Semester-II

Class :IM.Sc  
Major: FSMD

Time: 2 Hours  
Max.Marks:60

#### 23MFDC09 Biochemical Changes in Diseases

##### Course Outcomes

1. Comprehend and relate the physiological changes in diseases
2. Apply biochemical principles for various disease conditions
3. Learn to interpret medical terminology and laboratory parameters relating to nutrition
4. Differentiate normal and abnormal biochemical parameters.
5. Understand the requisite biochemical parameters for healthy lifestyle.

##### Part- A

6x1=6

##### Circle the correct answer

1. Erythropenia is  
a) Increase number of RBS's      b) Decrease number of RBS's  
c) Increase number of WBS's      d) Decrease number of WBS's  
CO3K2
2. Normal PH of gastric juice is  
a) 1.5 to 3.5    b) 4.5-6.5    c) 6.5-8.5    d) 7.5-8.5  
CO4K3
3. What is the most common enzyme deficiency that causes galactosemia  
a) fructose – p – uridyl transferase      b) galactose– p – uridyl transferase  
c) fructose – 1 – p – uridyl transferase      d) galactose – 1 – p – uridyl transferase  
CO2K2
4. Which of the following is not an anticoagulant  
a) heparin      b)oxalate      c) EPAT      d) citrate  
CO2K2
5. As per NCEP guidelines the desirable HDL level is  
a) <40      b) 40-50      c) 50-60      d)>60  
CO4K3
6. Which of the following enzyme is not involved in protein digestion  
a) rennin      b) trypsin      c) lipase      d) erypsin  
CO5K2

##### Part – B

3x6 = 18 marks

##### Answer the following.

##### Answer should not exceed 400 words or two pages

7. a. Outline the functions of blood  
Or  
7 b. Recollect the functions of saliva and its composition  
CO1K2
8. a. Write a note on disorders associated with acidosis and alkalosis  
Or  
8.b. Sketch glycolysis and TCA cycle  
CO3K4
- 9.a. Outline the digestion and absorption of lipids  
Or  
9b. Give a short note on disorders of gallbladder  
CO2K2

##### Part – C

3x12 = 36 marks

##### Answer the following.

##### Answer should not exceed 800 words or four pages

- 10.a. Highlight the functions of CSF and breast milk  
Or  
10b. Outline the regulation of acid base balance  
CO1K2
11. a. Elaborate on the disorders of carbohydrate metabolism  
Or  
11b. Brief the role of hormones in regulating blood glucose level  
CO4K3
- 12.a. Detail on the disorders associated with lipids  
Or  
12b. Discuss the normal protein digestion, absorption and metabolism  
CO2K2

Number of copies: 24

Teacher in charge: Dr. R. Radha