

Seat No. : \_\_\_\_\_

# SI-128

September-2020

B.Sc., Sem.-VI

## CC-307 : Biochemistry (Nutrition and Diseases)

Time : 2 Hours]

[Max. Marks : 50

- Instructions :**
- (1) All Questions in **Section-I** carry equal marks.
  - (2) Attempt any **THREE** questions in **Section-I**.
  - (3) Question No. 9 in **Section-II** is **compulsory**.
  - (4) Illustrate your answer with neat diagrams wherever necessary.

### Section-I

1. Discuss the Etiology and Complications of Obesity. 14
2. (A) Discuss the types of Diabetes Mellitus. 7  
(B) Explain briefly the Complications of Diabetes Mellitus. 7
3. Discuss the Etiology and Clinical features of Iron deficiency Anemia. 14
4. (A) Describe the bony changes in Rickets. 7  
(B) Discuss Osteomalacia briefly. 7
5. Discuss the Clinical features and Biochemical features of Marasmus. 14
6. (A) Discuss briefly the role of Trans Fats and PUFA in CHD. 7  
(B) Explain the clinical features of Kwashiorkor. 7
7. Explain Natural Food Toxins and the methods for their detoxification. 14
8. (A) Briefly discuss the Etiology and Biochemical features of Scurvy. 7  
(B) Explain briefly the Clinical features of Xerophthalmia. 7

## Section-II

### 9. Answer in Short : (Any **Eight**)

- (1) Name any one test used for diagnosis of Diabetes Mellitus. 1
  - (2) How will you treat type-I Diabetes Mellitus ? 1
  - (3) Define Obesity. 1
  - (4) What is BMI ? 1
  - (5) Define Anemia. 1
  - (6) What is the major difference between Rickets and Osteomalacia ? 1
  - (7) State any one Biochemical feature of Rickets. 1
  - (8) What are Megaloblastic Anemias ? 1
  - (9) What is CHD ? 1
  - (10) Which diseases come under PEM ? 1
  - (11) What is the difference in the age of a Marasmic and a Kwashiorkic child ? 1
  - (12) What causes Kwashiorkor ? 1
  - (13) What is Gingivitis ? 1
  - (14) What is Xerophthalmia ? 1
  - (15) State any one Biochemical feature of Xerophthalmia. 1
  - (16) Name a Microbial food toxin. 1
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