

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

**AC-115**  
**April-2015**  
**B.Sc., (Sem. VI)**  
**CC-307 : Biochemistry**  
**(Nutrition & Disease)**

**Time : 3 Hours]**

**[Max. Marks : 70**

**Instructions :** (1) All questions Carry equal marks.  
(2) Mention clearly the option you attempt.

1. (a) Discuss the clinical features of Diabetes Mellitus. 7  
(b) Explain the complications of Obesity. 7

**OR**

- (a) Discuss the types of Diabetes Mellitus. 6  
(b) Discuss the Etiology of Obesity. 8
2. Explain any **two** : 14  
(1) Clinical features of Rickets.  
(2) Iron Deficiency Anaemia.  
(3) Megaloblastic Anaemia.

3. (a) Discuss the Clinical features and Biochemical features of Kwashiorkor. 10  
(b) Discuss the role of Trans fats in CHD. 4

**OR**

- (a) Discuss the Etiology of Marasmus. 5  
(b) Discuss the role of Lipids in CHD. 9
4. (a) Discuss the clinical features and Biochemical features of Scurvy. 8  
(b) Discuss the clinical features of Xerophthalmia. 6

**OR**

- (a) Write a brief note on Natural Food toxins. 10  
(b) Discuss the Etiology of Xerophthalmia. 4

5. Answer in brief : **14**
- (1) State two ways by which Obesity can be treated. **2**
  - (2) State two methods by which Diabetes Mellitus can be diagnosed. **2**
  - (3) Define Osteomalacia. **2**
  - (4) State any two clinical features of Marasmus. **2**
  - (5) How will you Biochemically diagnose Rickets ? **2**
  - (6) Give two biochemical features of Xerophthalmia. **2**
  - (7) Write the full form and define BMI. **2**
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