

Seat No. : _____

MM-123

March-2019

B.Sc., Sem.-VI

**307 : Bio-Chemistry
(Nutrition & Diseases)**

Time : 2:30 Hours]

[Max. Marks : 70

1. (A) Explain in detail causes, types and symptoms of diabetes. **14**
- OR**
- (i) Short notes on BMI and types of obesity. **7**
- (ii) What causes obesity ? Explain briefly all factors. **7**
- (B) Write any **four** : **4**
- (i) Importance of GTT in diabetes.
- (ii) Give normal range of blood sugar.
- (iii) What is glycosuria ?
- (iv) Importance of HbA_{1c} in diabetes.
- (v) Which type of diabetes is common in young age ?
- (vi) Which type of precautions needed in diet for obese person ?
2. (A) Explain all clinical features (symptoms) of Rickets. **14**
- OR**
- (i) Short note on Osteomalacia. **7**
- (ii) Discuss types of Nutritional anemia (briefly). **7**
- (B) Write any **four** : **4**
- (i) Role of darkness in rickets.
- (ii) Milk and milk products usefulness in preventing rickets.
- (iii) Normal value of RBC & Hb.
- (iv) Vitamin-C usefulness in preventing anemia.
- (v) What is "Pigeon Chest" ?
- (vi) Full name of Vitamin-D

3. (A) Explain in detail causes and symptoms of Kwashiorkor. 14

OR

(i) Explain any 4 symptoms of Marasmus. 7

(ii) Short note on CHD. 7

(B) Write any **three** : 3

(i) Give 2 dietary sources for Marasmic child (infant).

(ii) Give 2 healthy food for preventing CHD

(iii) Give 2 symptoms of CHD

(iv) Full form of CHD

(v) What is Marasmic-Kwashiorkor ?

(vi) Which form of PEM is common in urban (city) area ?

4. (A) What causes "Scurvy" ? Give all symptoms and explain any 3 in detail. 14

OR

Explain in details all food toxins and general methods of detoxifications.

(B) Explain or define : (any **3** terms) : 3

(i) Gingivitis

(ii) Xerophthalmia

(iii) Karatomalaria

(iv) Nightblindness

(v) Scurvy

(vi) Corneal ulcer
