



**MS-21262**

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

**First Year Basic B. Sc. (Nursing) Examination**

**January - 2018**

**Nutrition & Biochemistry**

**Time : 3 Hours]**

**[Total Marks : 75**

- Instructions :**
- (1) All questions are compulsory.
  - (2) Draw diagram if necessary.
  - (3) Right side figures indicates marks.

**SECTION – I**

**(Nutrition)**

- 1 Long Essay : (Any one out of two) 3+7+5=15**
- (a) Describe balance diet.
  - (b) Explain the steps of planning a balance diet.
  - (c) Factors affecting food & nutrition.

**OR**

- (a) Enlist various national programme related to nutrition. **3+7+5=15**
- (b) Role of nurse in national nutritional programme.
- (c) National & International agencies working towards food and nutrition.

- 2 Write Short-notes on following : (Any three) 3×5=15**
- (1) PEM
  - (2) Function of protein in our body
  - (3) Major functions of mineral
  - (4) Food preservation methods
  - (5) Role of nurse in nutritional education.

- 3** Briefly Answer following : (Any four) **4×2=8**
- (1) BMR
  - (2) Weaning
  - (3) Prevention of Food Adultration Act
  - (4) Deficiency disorders
  - (5) Pasteurization
  - (6) Sources of protein

**SECTION – II**  
**(Biochemistry)**

- 4** Long Essay : (Any one out of two) **10×1=10**
- (1) Describe the metabolism of Krebs cycle. Explain how many ATP molecules are formed in this cycle.
- 5** Write notes on : (Any three out of five) **5×3=15**
- (1) Enzymes of clinical importance
  - (2) Lipoproteins
  - (3) Urea cycle
  - (4) Essential amino acids
  - (5) Importance of vitamins
- 6** Short answers on (compulsory) : **6×2=12**
- (1) Name any four trace elements.
  - (2) Name any two special proteins.
  - (3) Albinism.
  - (4) Name the types of Jaundice.
  - (5) Golgi complex.
  - (6) Difference between DNA & RNA (any two)