



HAV-21262 Seat No. _____

First Year Basic B. Sc. (Nursing) Examination

July - 2017

Nutrition & Biochemistry

Time : **3 Hours**]

[Total Marks : **75**

- Instructions :**
1. All sections are compulsory.
 2. Write each Section in separate Answer book.

SECTION - I (Nutrition)

- 1** Long essay : **1×15**
1. Describe the classification of carbohydrates. **5**
 2. Sources and recommended daily allowances. **3**
 3. Write about various methods of cooking. **7**

OR

- 1** Long essay : **1×15**
1. Describe the classification of vitamins. **4**
 2. Sources and recommended daily allowances of vitamin B₁₂. **4**
 3. Explain in detail about vitamin A. **7**

- 2** Write short answer on following : (any three) **3×5=15**
1. Functions of protein
 2. PEM
 3. Vitamin-C deficiency
 4. ICDS
 5. Pasteurization.

- 3** Briefly answer the following : **2×4=8**
- a. BMI
 - b. Balance diet
 - c. Weaning
 - d. Food preservation.

SECTION - II (Biochemistry)

- 1 Elaborate on : **1×15=15**
Write the sources, RDA, Biochemical functions of Vitamin D and the clinical manifestation of its deficiency.
- 2 Write notes on : **2×6=12**
1. Regulation of Blood glucose
2. Enzymes of clinical importance.
- 3 Short answers on : **5×2=10**
1. Cytoskeleton
2. Essential fatty acids
3. Difference between DNA and RNA (any two)
4. Write any two functions of calcium
5. Ribosomes.
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