

# P. P. SAVANI UNIVERSITY

Second Semester of B.Sc. Nursing Examination  
February-2021

**SNNR1050 - Nutrition and Biochemistry**

Time: 10:00 a.m. to 1:00 pm

26.02.2021, Friday

Maximum Marks: 75

## Instructions:

1. The question paper comprises of two sections.
2. Section I and II must be attempted in separate answer sheets.
3. Make suitable assumptions and draw neat figures wherever required.

### Section: I (Marks-38)

#### Q:1 Long Essay. (Any One)

- Q:1(a) Write a note on importance of Nutrition in nursing. [13]
- Q:1(b) Mention the RDA for pregnant woman. Plan the day's diet for the pregnant woman by giving reasons for the selection of foods. [5]
- [8]

OR

- Q:1(a) Discuss on the dietary sources of protein. [4]
- Q:1(b) Write in detail about the functions of protein. [9]

#### Q:2 Short Essay. (Any Three)

1. Discuss on the dry heat cooking methods.
2. Write about the factors affecting BMR.
3. Explain Mid Day Meal Programme.
4. Write a note on budgeting of food.
5. Write a note on food additives.

[15]

#### Q:3 Answer the Following (Any Five)

1. Expand AGMARK
2. What is the unit of energy?
3. Write any four sources of calcium.
4. Mention any two methods of food preservation.
5. What is therapeutic diet?
6. What is the boiling point of water?

[10]

### Section-II (Marks-37)

#### Q:4 Long Essay. (Any One)

- Q:4(a) Mention the rich sources and RDA of vitamin A. [12]
- Q:4(b) Describe in detail about its functions and deficiency manifestations. [4]
- [8]

OR

- Q:4(a) Write in detail about Immunoglobulin. [4]
- Q:4(b) Explain in detail about Glycolysis process. [8]

#### Q:5 Short Essay. (Any Three)

1. Write a note on Glucose Tolerance Test.
2. Describe the role of kidney in Acid base balance.
3. Write about creatinine clearance test.
4. Draw a structure and write the functions of cell.
5. Discuss the factors affecting enzyme activity.

[15]

**Q:6 Answer the Following (Any Five)**

[1

1. What is PH?
2. Enlist the essential fatty acids.
3. Mention the normal levels of serum chloride and serum sodium.
4. What is disaccharide?
5. Write the normal value of PCO<sub>2</sub> and RBS.
6. Enlist the four organic constituents of urine.

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