I Year B.Sc. Nursing Degree Examination – Feb / Mar 2012

Time: Three Hours   **Max. Marks: 100 Marks**

NUTRITION & BIOCHEMISTRY (RS – 2)
Q.P. CODE: 1748 & 1749

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary
Use separate answer books for section A and section B
Q.P. Code: 1748 – Section 'A' - Nutrition (60 Marks)

LONG ESSAYS (Any Two)   **2 x 10 = 20 Marks**

1. Describe the methods used in assessment of nutritional status of individuals
2. Explain the functions, digestion and absorption of carbohydrates
3. Mention the recommended dietary allowances for a pregnant women. Plan a day's diet by giving reasons for the selection of foods

SHORT ESSAYS (Any Five)   **5 x 5 = 25 Marks**

4. Toxic effects of fluoride
5. Clinical signs and symptoms of kwashiorkar
6. Fluid and electrolyte imbalance
7. List the foods to be included and excluded in diabetes. Give reasons
8. Definition, function and deficiency of essential fatty acids
9. Objectives of cooking
10. Differentiate between osteoporosis and osteomalacia

SHORT ANSWERS   **5 x 3 = 15 Marks**

11. Define haemochromatosis
12. Sources of cholesterol
13. Define recommended dietary allowances
14. Define sautéing. Give two examples where it is used
15. Define food fortification with an example

Q.P. Code: 1749 – Section 'B' - Biochemistry (40 Marks)
Use separate answer book

LONG ESSAYS (Any One)   **1 x 10 = 10 Marks**

1. Enumerate the reactions of glycolysis. Add a note on its energetics
2. Give the sources, functions, deficiency manifestations and RDA of vitamin A

SHORT ESSAYS (Any Three)   **3 x 5 = 15 Marks**

3. Functions of lipoproteins
4. Urea cycle
5. Substances formed from cholesterol
6. Blood buffers

SHORT ANSWERS   **5 x 3 = 15 Marks**

7. Beri beri
8. Essential amino acids
9. Benedicts test
10. Conjugated proteins
11. Name the coenzyme form of riboflavin and niacin

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