

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

Time: Three Hours

Max. Marks: 75 Marks

NUTRITION & BIOCHEMISTRY (RS - 3)**Q.P. CODE: 1755 & 1756**

Four 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: 1755 – Section A – NUTRITION (45 Marks)****LONG ESSAYS (Answer any One)****1 x 10 = 10 Marks**

1.
 - a) Define carbohydrates
 - b) Write about the digestion, absorption and metabolism of carbohydrates
2.
 - a) Discuss the applied nutrition programme
 - b) Write the role of nurse in applied nutrition programme

SHORT ESSAYS (Answer any Five)**5 x 5 = 25 Marks**

3. Classification and sources of protein
4. Integrated child development scheme
5. Food standards
6. Explain the functions of calcium in our body
7. Role of nurse in nutrition education
8. Methods of food preservation

SHORT ANSWERS**5 x 2 = 10 Marks**

9. Obesity
10. Sources of Iron
11. Steaming
12. Macronutrients
13. Basal metabolic rate

Q.P. Code: 1756 – Section B – BIOCHEMISTRY (30 Marks)**Use separate answer book****LONG ESSAYS (Answer any One)****1 x 10 = 10 Marks**

1. Discuss the Metabolism of Tyrosine. What are the biologically important compounds formed from tyrosine. Add a note on Alkaptonuria
2. Describe the sources, daily requirement, biochemical functions and regulation of serum calcium level

SHORT ESSAYS (Answer any Two)**2 x 5 = 10 Marks**

3. Discuss the factors affecting Enzyme activity
4. Phospholipids
5. Creatinine clearance test

SHORT ANSWERS**5 x 2 = 10 Marks**

6. Beri-Beri
7. Metabolic Alkalosis
8. Iodine
9. Write the normal levels of

a) FBS	b) Blood Urea
c) Serum Total Protein	d) SGOT
10. Name biologically important compounds formed from cholesterol
