

Rajiv Gandhi University of Health Sciences, Karnataka

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

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: 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 - 8-100 mg/dL b) Blood Urea - 10-12 mg
 c) Serum Total Protein d) SGOT
10. Name biologically important compounds formed from cholesterol

Serum glutamic oxaloacetic transaminase