Raily Gandhi University of Health Sciences, Karnataka First year B.Sc. Nursing Degree Examination - Aug / Sept 2009

Time: Three Hours

Max. Marks: 75 Ma

NUTRITION & BIOCHEMISTRY (RS - 3)

Q.P. CODE: 1755 & 1756

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessa

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 Mar

5 x 5 = 25 Mar

- 1. Write about classification, dietary sources, recommended daily allowances of minerals
- 2. Mention the water soluble vitamins. Write about hypervitaminosis

SHORT ESSAYS (Answer any Five)

- 3. Mid-day meal programme
- Nutritional problems in India
 Deficiencies of protein
- 6. Maintenance of fluid & electrolyte balance
- 7. Food addictives and its principles
- 8. Assessment of nutritional status

SHORT ANSWERS

5 x 2 = 10 Mar

- 9. Vitamin C function & deficiency
- 10: Classification of carbohydrates
- 11. Storage of food
- 12. Balanced diet

3. Deficiencies of vitamin B6

Q.P. Code: 1756 - Section B - BIOCHEMISTRY (30Marks)

Use separate answer book

canestar.com

LONG ESSAYS (Answer any One)

1 x 10 = 10 Har

- 1. Give a detailed account on aerobic glycolysis. Explain the energetics and regulation of the pathway
- 2. Describe β-oxidation of fatty acids. Add a note on energetics of palmitic acid oxidation

SHORT ESSAYS (Answer any Two)

2 x 5 = 10-Has

- 3. Urea cycle
- 4. Formation and utilization of ketone bodies
- 5. Renal regulation of acid-base balance

SHORT ANSWERS

5xZ=10 Meri

- 6. What are anti-oxidants? Give two examples
- 7. Biochemical functions of calcium
- 8. Competitive inhibition of enzymes
- 9. Functions of ascorbic acid
- 10. Write the normal range ofc) Serum cholesterol
- a) Random Blood Glucose d) Serum bilirubin

b) Blood Urea.
