

NURSB - 1755 - NUTRITION & BIOCHEMISTRY - TP1 (AUGUST-2010)_AUGUST-10 (OCT-10).doc
Rajiv Gandhi University of Health Sciences, Karnataka
First year B.Sc. Nursing Degree Examination – August 2010

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. Define Protein Energy malnutrition. Differentiate between the signs and symptoms of kwashiorkor and marasmus. Discuss management of PEM.
2. List out the national and international agencies working towards improving food and nutrition of population and their role in preventing malnutrition.

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

3. ICDS.
4. Functions of protein.
5. PFA.
6. Balanced diet for elderly.
7. RDA for sedentary person in pregnancy.
8. Types and manifestations of Beriberi.

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

9. BMR.
10. Hyderabad Mix composition.
11. Oral rehydration therapy.
12. Functions of Vitamin A.
13. Dietary sources of calcium.

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

1. Explain the sources, RDA, biochemical functions and deficiency disease associated with Vitamin C.
2. Explain the factors regulating Blood Glucose level in the human body.

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

3. Homopolysaccharides.
4. Discuss Enzyme Inhibition.
5. Functions of Plasma Proteins.

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

6. Mention the normal pH of blood and name the Buffers of blood.
7. Pellagra.
8. Antioxidants.
9. Mention the normal plasma levels of the following parameters:
 - a) Calcium level.
 - b) Urea level.
10. Transamination.
