

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. What is nutritional assessment? Describe the methods of nutritional assessment of children in detail.
2. Define cooking. List the principles of cooking and explain the methods of cooking.

SHORT ESSAYS (Answer any Five)

5 x 5 = 25 Marks

3. Iodine Deficiency Disorder Control programme.
4. Food additives.
5. Balanced diet for adolescent girls.
6. RDA for a lactating (moderate worker).
7. Pellagra.
8. Comparison of Breast milk and cow's milk.

SHORT ANSWERS

5 x 2 = 10 Marks

9. Essential Amino Acids.
10. Pasteurization.
11. Dietary Sources of iron.
12. Functions of Vitamin 'D'.
13. Define Body Mass Index.

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

Use separate answer book

LONG ESSAYS (Answer any One)

1 x 10 = 10 Marks

1. Define Glycolysis. Enumerate the reactions of the pathway. Explain the energetics of the pathway.
2. Describe the sources, daily requirement, biochemical functions and deficiency manifestations of Vitamin 'D'.

SHORT ESSAYS (Answer any Two)

2 x 5 = 10 Marks

3. Classify Enzymes with examples.
4. Describe Transamination reactions and its clinical significance.
5. Discuss the Absorption, Transport and Storage of Iron.

SHORT ANSWERS

5 x 2 = 10 Mark

6. Name Ketone Bodies and two conditions in which they are excreted.
7. Biochemical findings in Metabolic Acidosis.
8. Importance of HMP Shunt pathway.
9. Essential fatty acids.
10. Name Bile Salts and write their functions.