

Date : 30-08-2018, Thursday
[Time : 3 Hours]

[Max. Marks : 75]

- Instructions :
- (1) Figure to the right indicates marks.
 - (2) Draw diagram wherever necessary.
 - (3) Write legibly.
 - (4) Use Separate answer books for each section.

Section – I (Nutrition - 45 Marks)

- Q – 1. (A) Write digestion of protein (5)
(B) Explain about nutritional assessment (5)
- Q – 2. Define following terms (Any Four) (2X4=08)
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|------------------|-------------------------|
| 1) Digestion | 2) Malnutrition |
| 3) Carbohydrate | 4) Basal Metabolic Rate |
| 5) Electrolytes. | |
- Q – 3. Write short note (Any Two) (5X2=10)
- (i) Methods of cooking.
 - 2) Types of diet
 - 3) Vitamin A
- Q – 4. (A) Enlist the functions and dietary sources of carbohydrates (3+3=6)
(B) Write about nutritional problems of India (6)
- Q – 5. Fill in the blanks (1X5=5)
1. Scurvy is due to deficiency of vitamin _____
 2. BMI stand for _____
 3. On metabolism, 1gm of fat gives _____ K.cal.
 4. _____ vitamin is useful in blood clotting
 5. Deficiency of mineral _____ produces microcytic, hypochromic anaemia

Section – II (Biochemistry - 30 Marks)

- Q – 5. (A) What is Protein? Write the medical and biological importance of protein (2+3=5)
(B) Write about blood buffers (5)
- Q – 6. Write short note (Any Four) (2.5X4=10)
- (i) Classification of vitamins with example.
 - 2) Importance of Biochemistry in Nursing
 - 3) Sources and deficiency diseases of Vitamin B
 - (4) Function of fat
 - 5) Use of prostaglandins
- Q- 7. Define following terms (1X10=10)
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|---------------------|--------------------|-------------------------|
| 1) Hormone | 2) Glycolysis | 3) Gluconeogenesis |
| 4) Vitamin | 5) Electrophoresis | 6) Saturated fatty acid |
| 7) Catalyst | 8) Coenzyme | 9) Glycosidic bond |
| 10) Oligosaccharide | | |