

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)
- | | |
|------------------|-------------------------|
| 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)
- | | | |
|---------------------|--------------------|-------------------------|
| 1) Hormone | 2) Glycolysis | 3) Gluconeogenesis |
| 4) Vitamin | 5) Electrophoresis | 6) Saturated fatty acid |
| 7) Catalyst | 8) Coenzyme | 9) Glycosidic bond |
| 10) Oligosaccharide | | |

Date : 24-08-2017, Thursday]
[Time : 3 Hours

[Max. Marks : 75

- Instructions :
- (1) Answer to the point.
 - (2) Figure to the right indicates marks.
 - (3) Draw diagrams wherever necessary.
 - (4) Write legibly.
 - (5) Use separate answer books for each section.

SECTION I

- Q.1. (a) Briefly Describe the Relationship of Nutrition to Health. 5
(b) Discuss Role of Nurses in Nutrition Education. 5
- Q.2. Enlist four Deficiency Diseases of the following - 2x4=8
(i) Vitamin A (ii) Calcium
(iii) Iodine (iv) Protein
- Q.3. Write short Notes on Any two of the following - 5x2=10
(i) Methods of cooking
(ii) Mid-day meal program
(e) Balanced diet
- Q.4. (a) Prepare a Menu plan for Mrs. Radhika 22yrs old, 50kg weight, moderate worker and Lactating mother of a 5 months old baby. 8
(b) State the Principles of Menu Planning. 4
- Q.5. Fill in the blanks- 1x5=5
(i) Hemoglobin is Necessary for the transport of from lungs to tissues.
(ii) Accumulation of Abnormal of ketone bodies in tissue and body fluid is called.....
(iii) are the complexes of proteins and lipids.
(iv)is the main storage form of carbohydrate in plants.
(v) Vit. D deficiency in children is called as

[P.T.O.]

First Year B.Sc. (Nursing) Examination

Nutrition and Biochemistry

Date : 23-07-2014, Wednesday]

[Max. Marks : 75

Time : 3 Hours]

- Instructions :
- (1) Answer to the point.
 - (2) Figure to the right indicate marks.
 - (3) Write legibly.
 - (4) Draw diagrams wherever necessary.
 - (5) Use separate answer books for each section.

Section - I**Q-1 Define following (any five).****(10)**

- 1 ✓ a. Malnutrition
- 1 ✓ b. Recommended daily allowance (RDA)
- 1 ✓ c. Macronutrients
- 2 ✓ d. Dehydration
- 1 ✓ e. Nutrition
- 1 ✓ f. Rickets

Q-2 Write short notes (any four)**(20)**

- 4 ✓ a. Methods of food preservation.
- 2 ✓ b. Food adulteration & its act.
- c. List out various national nutritional programmes and explain about ICDS.
- 3 ✓ d. Process of digestion of protein.
- 2 ✓ e. Factors affecting food and nutrition.

Q-3 Long essay**(15)**

- 1 ✓ a. Define vitamins.(02)
- 1 ✓ b. Classify vitamins based on their solubility.(05)
- c. Explain in detail about vitamin A. (08)

OR

- 4 ✓ a. What are the principles of cooking?(05)
- 8 ✓ b. Write down methods of cooking.(10)

[P.T.O.]

(29)

0815E161

F. V. B.Sc. (Nursing) Examination
Nutrition and Biochemistry

[Max. Marks : 75]



Date : 06-08-2015, Thursday

Time : 3 Hours

- Instructions : (1) Figure to right indicate full marks
(2) Use separate answers book for each section
(3) Draw diagram wherever necessary
(4) Write legibly.
(5) Answer to the point.

SECTION I

1. Define following (any three) :

- (a) Malnutrition
- (b) Balanced diet
- (c) Rickets
- (d) Food standards
- (e) Recommended dietary allowance

2. Discuss briefly any two of the following :

- (a) Over hydration & water intoxication
- (b) Fat soluble vitamins & it's deficiency diseases.
- (c) ICTS programme.

3. Write short notes (any three) :

- (a) Ben her
- (b) Pellagra
- (c) Kwashiorkor
- (d) Basal metabolism.

4. Explain the following (any three) :

- (a) B.M.I. and factors affecting B.M.R.
- (b) Methods of cooking
- (c) List the fat soluble vitamins & their five sources
- (d) Discuss in detail the role of the nurse in the community for prevention of vitamin A deficiency.

SECTION II

5. Describe urea cycle. Name the pathological conditions under which blood urea is affected.

6. Write short notes on (any four) :

- (a) Ketosis
- (b) Mechanism of antibody production
- (c) Enzymes and co-enzymes
- (d) Beta oxidation of fatty acids
- (e) Transport mechanism.



29-01-2016 Friday]

1.3 Hours

- Instructions : (1) Answer to the point.
 (2) Figure to the right indicates marks
 (3) Draw diagrams wherever necessary
 (4) Write legibly.
 (5) Use separate answer books for each section.

- Section-I
- Q-1 Define following (Any four) 4x2=8
 1) Macronutrient 2) Nutrition 3) Therapeutic diet
 4) Hypervitaminosis 5) Recommended Daily Allowance 3x5=15
- Q-2 Write Short notes. (Any three) 3x2=6
 A. Factors affecting BMI
 B. Digestion process of fat
 C. Electrolyte imbalance
 D. Assessment of nutritional status
- Q-3 Write dietary sources of following. (Any three) 4
 1. Vitamin B 2. Calcium
 3. Carbohydrates 4. Vitamin A 4
- Q-4 a. Explain principles of cookery. 8
 b. Write prevention of food adulteration act.
 c. Explain methods of cooking.
- Section- II 4x2=8
- Q-5 Briefly answer following. (Any four) 2x5=10
 1. Biochemical role of vitamin A
 2. Biochemical functions of Zinc.
 3. Factors affecting iron absorption.
 4. Function of essential fatty acids.
 5. Define glycolysis.
- Q-6 Write short notes. (any two) 2x6=12
 a. Significance of biochemistry in nursing.
 b. Structure of cell membrane.
 c. Buffers of the body fluid.
- Q-7 Describe following (any two)
 a. Regulation of blood glucose level.
 b. Ph buffer.
 c. Mechanism of antibody production.