



E-4226

First Year B. Sc. (Nursing) Examination

July - 2016

Nutrition & Biochemistry

Time : 3 Hours]

[Total Marks : 75

Instructions :

(1)

नीचे दृष्टावित्त निशानीवाणी विगतो उत्तरवडी पर अवश्य लभवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
First Year B. Sc. (Nursing)	<input type="text"/>
Name of the Subject :	<input type="text"/>
Nutrition & Biochemistry	<input type="text"/>
Subject Code No. : 4 2 2 6	Section No. (1, 2,.....) : Nil
Student's Signature	

- (2) All questions are compulsory
- (3) Right sided numbers are indicated as marks
- (4) Draw the figure whenever necessary
- (5) Answer each section in separate main answer sheet

SECTION - I (Nutrition) (45 Marks)

- 1 (a) Explain the Role of Nurse in National Nutritional Program 5
(b) Explain the factor affecting in food and Nutrition 5
- 2 Write short notes : (Any five) 4×5=20
(a) Classification of vitamins
(b) Midday meal program
(c) Function of Minerals
(d) Prevention of food adulteration Act(PFA)
(e) Vitamin A deficiency Programme
(f) Methods of cooking
- 3 (A) Define following : (Any four) 2×4=8
(1) BMR (2) Body Mass Index
(3) Food preservation (4) Balanced Diet
(5) Micronutrients

- (B) Write difference between Macro Nutrient and Micro Nutrient. 4
- (C) Fill in the blanks 3
- (1) Calcium stored in _____ our body.
 - (2) 1 gm Fat = _____
 - (3) CFTRI stand for _____

SECTION - II (Biochemistry) (30 Marks)

- 4 Write short notes : (Any two) 5×2=10
- (1) Draw and explain fluid mosaic model of membrane
 - (2) Lens protein
 - (3) Metabolism of the carbohydrate
 - (4) Urea cycle
- 5 Attempt any two questions : 5×2=10
- (1) Write importance of biochemistry for nurses.
 - (2) What are the buffers ? Why are they important for the body ?
 - (3) Write down the site, importance and steps of glycolysis.
- 6 (a) Answer the following questions in brief : 2×3=6
(Any three)
- (1) Write the main symptoms of Diabetes Mellitus
 - (2) Define essential fatty acid giving examples
 - (3) Define adaptive immunity
 - (4) Why vitamin-C is important for wound healing?
 - (5) Define phospholipids.
- (b) Fill in the blanks 4
- (1) P. H of blood is _____
 - (2) Immunoglobulin involved in allergic response is _____
 - (3) Scurvy occurs in deficiency of _____
 - (4) Non reducing sugar is _____