

Reg. No:

**Second Semester B.Sc Nursing Degree Regular/Supplementary
Examinations October 2025
Paper I – Applied Biochemistry and Applied Nutrition & Dietetics
(2021 Scheme)**

Time: 3 Hrs

Total Marks: 75

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers*
- *Indicate the question number correctly for the answer in the margin space • Answer all parts of a single question together*
- *Leave sufficient space between answers • Draw table/diagrams/flow charts wherever necessary*
- *Write section A and section B in separate answer books (32 Pages). Do not mix up questions from section A and section B.*

Section A – Applied Biochemistry

Q.P. CODE: 221010

Max. Marks: 25

1. Multiple Choice Questions

(4x1=4)

(choose the most appropriate answer from the options given)

The responses for MCQ questions (Q.No. i to Q.No. iv) shall be written continuously on the first writing sheet (ie Page No.3) only

- i. Which Immunoglobulin is responsible for Allergy
a) Ig G b) Ig M c) Ig D d) Ig E
- ii. LDH is a
a) Monomer b) Dimer c) Trimer d) Tetramer
- iii. Which one of the following is a marker for Prostate Cancer
a) ALP b) ALT c) PSA d) CK
- iv. Which is **NOT** a Plasma protein given below
a) Albumin b) Globulin c) Fibrinogen d) Collagen

Short notes

(3x5=15)

2. Ketone bodies
3. Digestion and absorption of carbohydrates
4. Renal Function Tests

Differentiate the following

(3x2=6)

5. Saturated and Unsaturated fatty acids
6. ALP and ACP
7. Pre hepatic and Post hepatic jaundice

(PTO)

Section B – Applied Nutrition and Dietetics

Q.P. CODE: 222010

Max. Marks: 50

1. Multiple Choice Questions

(8x1=8)

(choose the most appropriate answer from the options given)

The responses for MCQ questions (Q.No. i to Q.No. viii) shall be written continuously on the first writing sheet (ie Page No. 3) only

- i. Vitamin B₃ is called as.
a) Riboflavin b) Pantothenic acid c) Pyridoxine d) Niacin
- ii. A person who is suffering from high blood pressure should cut down on
a) Sodium b) Potassium c) Calcium d) Magnesium
- iii. Which one of these is NOT an energy yielding nutrient
a) Carbohydrates b) Protein c) Dietary fibre d) Fats
- iv. The disease caused by the deficiency of iodine is
a) Anaemia b) Goitre c) Chicken pox d) Swine flu
- v. Excessive body weight due over nutrition leads to
a) Rickets b) Marasmus c) Obesity d) Kwashiorkor
- vi. Pulses are a good source of
a) Carbohydrates b) Proteins c) Fats d) Vitamins
- vii. Prevention of food adulteration (PAF) act was passed in
a) 1954 b) 1960 c) 1957 d) 1953
- viii. Poor source of iron is
a) Meat b) Milk c) Raisins d) Soya bean

Essay

(1x10=10)

2. Define cooking. Briefly explain the different methods of cooking.

(2+8)

Short notes

(4x5=20)

3. Integrated child development service.
4. Factors affecting food and nutrition intake.
5. Functions and sources of fats.
6. Weaning.

Differentiate the following

(3x2=6)

7. Water soluble vitamin and Fat soluble vitamin.
8. Saturated and Unsaturated fatty acids.
9. Enteral feeding and Parenteral feeding.

List Down the following.

(3X2=6)

10. Four methods of nutritional assessment.
11. Four factors you will consider while planning a menu.
12. Four foods avoided by a diabetic patient.

CORRECTION / NO-CORRECTION FILE
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QPCODE: 221010

Dated: 13-10-2025

QP Code:221010

Question No.5

Replaced with "IgG and IgM."

QP Code:222010

Question No.1(vii)

Corrected as "Prevention of food adulteration (PFA) act was passed in."

Corrections/Modifications/Replacement of Questions if any shall be made available to all students. Take the print out of the Correction File in such cases and distribute to all students.

(Sd/-)

CONTROLLER OF EXAMINATIONS