



ARKA JAIN
University
Jharkhand



End Semester University Examination - December - 2025

Subject : Nursing Foundation I& II including Health
Assessment Module (Theory)

Program : B. Sc. Nursing

Semester: II

Full Marks: 75

Time: 3 Hours

Instructions to the Candidates:

- Read the question paper very carefully.
- Start writing from 2nd page onwards; **don't write on the 1st Page Backside.**
- Do not write anything except your Roll No. on the question paper.
- Possession of **Mobile Phones** or any kind of **Written Material, Arguments with the Invigilator or Discussing with Co-Student** will come under **Unfair Means** and will **Result** in the **Cancellation of the Papers.**

Q-1. Multiple Choice Question: - (12x1=12)

i. The code of ethics for nurses is composed and published by:

- a) The national league for Nursing
- b) The American Nurses Association
- c) The Medical American Association
- d) The National Institutions of health nursing division

ii. What is the fifth vital sign?

- a) Pulse
- b) Temp
- c) Pain
- d) Heart rate

iii. Another name for gas sterilization:

- a) Disinfection
- b) autoclaving
- c) Fumigation
- d) hot air sterilization

iv. Which is the correct ratio of chest compressions to rescue breaths for use in CPR of an adult casualty?

- a) 2compression: 30 rescue breaths
- b) 5compression: 1rescue breaths
- c) 15compression: 2rescue breaths
- d) 30compression: 2rescue breaths

v. In Maslow's hierarchy. Which need should be addressed first?

- a) Need for self-esteem
- b) Need for safety
- c) Need for physiological stability
- d) Need for love and belonging

vi. A patient is prescribed nasal cannula oxygen therapy. What is the maximum flow rate for this device?

- a) 1-2 L/ min
- b) 2-4 L/ min
- c) 4-6 L/ min
- d) 6-10 L/ min

vi. Ratio of hydrogen peroxide in oral care is

- a) 1:6
- b) 1:1
- c) 1:8
- d) 1:4

viii. What is eustress?

- a) Harmful stress
- b) Negative stress
- c) Positive stress
- d) chronic stress

ix. How should you open the airway of an unconscious casualty?

- a) Head tilt and chin lift
- b) head tilt and jaw thrust
- c) Jaw thrust
- d) lift the chi

x. To correct the toxic factor the rubber tubing's are boiled

- a) 10% sodium bicarbonate
- b) 10% KMNO4 solution
- c) 10% citric acid
- d) 20% citric acid

xi. What term describe the process of expressing grief openly?

- a) Bereavement
- b) Mourning
- c) Denial
- d) Acceptance

xii. Which of the following factors can influence self-concept?

- a) Family and culture
- b) Social media and peers

- c) Life experiences and personal achievements
- d) All of the above

Q-2 Essay type Question: (ANY TWO)

(2x15=30)

- a) i) Define hospital.
ii) Functions of hospital.
iii) Describe the classification of hospitals.
- b) i) Define stress. (2+5+8)
ii) Explain the concept of stress and its physiological and psychological effects on the human body.
iii) What is the role of the general adaptation syndrome in this process?

- c) Explain the principles and technique of body mechanics. Discuss their application in lifting, transferring and positioning patients. (7+8=15)

Q-3) Write short notes on : (ANY FIVE)

(5x5=25)

- a) Oxygen administration.
- b) Trans cultural Nursing.
- c) Therapeutic Communication.
- d) Care of pressure point.
- e) Write in brief about the phases of nursing process.
- f) Types of positioning.

Q-4) Write very short notes on: (ANY FOUR)

(4x2=8)

- a) Explain the ten rights of medication administration
- b) Urine elimination
- c) Dimension of health.
- d) List down the golden rules of first aid.
- e) What is asepsis?

Q -4) Very Short type Question: - (ANY SIX) (6x2=12)

- Therapeutic diet
- Plan a balanced diet for pregnant mother
- List out types of dietary fiber and explain its health benefits.
- Functions of vitamin A and mention any 4 excellent source of it.
- Classification of Lipids
- List out the factors that increases BMR (Basal Metabolic Rate)
- Role of nutrition in maintaining health.



ARKA JAIN
University
Jharkhand



End Semester Examination - December - 2025

Subject : Applied Biochemistry & Applied Nutrition and Dietetics
Program : B. Sc. Nursing Semester: II
Full Marks: 75 Time : 3 Hours

Instructions to the Candidates:

- Read the question paper very carefully.
- Start writing from 2nd page onwards; **don't write on the 1st Page Backside.**
- Do not write anything except your Roll No. on the question paper.
- Possession of **Mobile Phones** or any kind of **Written Material, Arguments with the Invigilator or Discussing with Co-Student** will come under **Unfair Means** and will **Result** in the **Cancellation of the Papers.**

SECTION – A (Applied Biochemistry)

(25-MARKS)

Q-1. Multiple Choice Question: -

(4x1=4)

- Which one is the example of plasma protein
a. Albumin
b. Phosphatases
c. NAD
d. None of these
- Immunoglobulin is
a. Cell
b. Glycoprotein
c. Carbohydrates
d. None of these
- Which plasma protein participates in the body immune system
a. Globulins
b. Fibrinogen
c. Regulatory proteins
d. None of these

- iv. Ketone bodies are produced by which organ of human body
- Large intestine
 - Gall bladder
 - Liver
 - None of these

Q.2) Write short notes on :- (ANY THREE) (3x5=15)

- Classification of carbohydrates
- What is plasma protein, type of plasma protein and write down its functions.
- Explain Heme degradation pathway.
- Discuss structure and function of immunoglobulin

Q.3) Write very short notes on: - (ANY THREE) (3x2=6)

- What is Blood Coagulation.
- Describe thyroid function test.
- Grave's disease
- Jaundice and its types

SECTION – B (Applied Nutrition & Dietetics) (50-MARKS)

Q-1. Multiple Choice Question: - (8x1=8)

- is not a classified form of conjugated protein.
 - Chromoprotein
 - Lipoprotein
 - Metaprotein
 - Metalloprotein
- Cations are
 - Sodium, Calcium, Phosphate, Sulfate
 - Sodium, Phosphate, Magnesium, Calcium
 - Sodium, Magnesium, Potassium, Calcium
 - Sodium, Potassium, Magnesium, Chloride

iii. Which of the following is primary form of derived proteins

- Proteoses
- Protamines
- Histones
- Proteans

iv. Which of the following is definitely essential trace elements

- Silicon
- Arsenic
- Selenium
- Nickel

v. Mr. Pradyuman is having difficulty in reading white board in class, the doctor advised that Pradyuman needs to increase food rich in which of the following nutrients.

- Vitamin D
- Vitamin K
- Vitamin C
- Vitamin A

vi. is necessary for utilization and retention of calcium and phosphorus.

- Vitamin A
- Vitamin D
- Vitamin K
- Vitamin C

vii. A substance need by the body for growth, energy, repair and maintenance is called as _____

- Nutrient
- Carbohydrate
- Calorie
- Fatty acid

viii. Which of the following has highest calorific value

- Carbohydrates
- Fats
- Protein
- Vitamins

Q. 2) Essay type Question: - (ANY ONE) (1x10=10)

- Explain in detail about food additives, its categories, functions and general principles for its use. (OR)
- Describe in detail about nutritional problems of India.

Q-3) Short type Question: - (ANY FOUR) (4x5=20)

- Briefly explain Menu planning and its principles
- Write a short note on IYCF (Infant and Young Child Feeding)
- Describe calcium, its functions and dietary sources
- ICDS (Integrated Child Development Services)
- PEM (Protein Energy Malnutrition)