- 2) a. What is meal planning? (2+3+5)
 - b. Enlist the four food groups?
- c. Elaborate the meal planning for different age groups of people?

OR

3) Elaborate five keys to safer food? (10 MARKS)

Q- 3. Short type Questions: - [3*5=15 Marks] ANSWER ANY 3 QUESTION

- 1. What do you mean by food exchange system.
- 2. What are the types of malnutrition diseases.
- 3. Explain dietary management for hypertension.
- 4. Give note on Anemia Mukt Bharat Program

Q- 4. Very short questions-[5*2=10 Marks]

- 1. What are the two most common nutritional deficiency diseases
- 2. Name some minerals important for our body
- 3. Enlist the various nutrition programs running in India
- 4. What are the types of therapeutic diet
- 5. Different between marasmus and kwashiorkor



SCHOOL OF NURSING

PRE UNIVERSITY EXAMINATION - DEC - 2023

COURSE- B. Sc. NURSING (2nd SEMESTER)

SUBJECT – APPLIED BIOCHEMISTRY AND APPLIED

NUTRITION & DIETETICS

TOTAL MARKS – 75

TIME – 3 HOURS

Instructions to the Candidates:

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

SECTION- A (APPLIED BIOCHEMISTRY) 25 M

Q- 1. Multiple Choice Question: - [12*1=12 marks]

1. The antibodies which contain J- chain are

a) IgE & IgMc) IgG & IgE	b) IgA & IgM d) IgM & IgD	Draw labelled diagran different antibodies.	n of antibody. Write the func
a) A	with antibody A and antibody B is b) B	Q- 3. Short type Questions: - [2*2.5=5 Marks]	
c) AB d) O 3. In Hybridoma technology, hybrid cells are selection in a) HAT media b) MS media		a) Defined pH. Calculate the pH of 0.02M sodium hydrological solution? [log 0.02=1.7]b) What is enzyme? Write the properties of enzyme.	
c) X-gal Media 4. Which immunoglo a) IgD c) IgM	d) None of thesebulin can pass through placenta?b) IgEd) IgG	SECTION- B (N Q- 1. Multiple Choice Qu	·
5. pH of the blood is a) 6.8 c) 7.8	b) 7.4 d) 7.0	•	ent for a pregnant woman: b) 2000 kcl d) 2100 kcl
 6. Factors affecting enzyme activity: a) Concentration b) pH c) Temperature d) All of these 7. Pepsin is produced in a) Mouth b) Stomach c) Intestine d) None 8. Hydrolytic enzymes break the chemical bond between atoms of large molecules in presence of a) CO₂ b) CH₄ 		 Therapeutic diet is planned by: a) Mother b) Friend c) Physician d) Pharmacist High blood pressure patient should avoid foods wherich in: a) Calcium b) Iodine c) Sodium d) Iron ICDS Scheme was launched on: 	
c) Secretory cell 10. Range of pH scale a) 7-10 c) 7-14	d) none of above is b) 10-14 d) 0-14	, , , , , , , , , , , , , , , , , , ,	n: - [2*5=10Marks] (ANS

Q- 2. Essay type Question: - [2*5=10Marks]

1. What is ELISA? Describe different types of ELISA.

ction of

droxide

hich are

SWER

- b. Explain the principles of balanced diet.
- c. Give in detail IYCF guidelines for breastfeeding.