

Roll No. [ ]

Total No. of Questions : 09

Total No. of Pages : 02

B.Sc. (Nutrition and Dietetics) (Sem.-4)  
**FOOD STANDARDS AND QUALITY CONTROL**

Subject Code : BSND221-18  
M.Code : 79521

Date of Examination : 06-05-2025

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTIONS TO CANDIDATES :**

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

**SECTION - A**

1. Write briefly :
  - a. Food quality
  - b. Organoleptic evaluation
  - c. Food grading
  - d. GMP
  - e. Physical hazards
  - f. Meaning of Critical Control Points.
  - g. Objective of Food Safety Management System.
  - h. BIS
  - i. Adulteration test for honey.
  - j. Adulteration test for coffee.



**SECTION - B**

2. Throw light on the chemical methods to determine food quality.
3. What do you understand by food toxicants? Discuss its various types.
4. Explain the objectives of WHO and FAO to manage food quality.
5. Write a note on GRAS.
6. Write a note on Safety of food additives.

**SECTION - C**

7. Write a detailed note on the sensory evaluation of food products.
8. Explain the concept of HACCP system.
9. Write a short notes on :
  - a. GHP and AGMARK.
  - b. Standards for product quality and safety.

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B.Sc. Hons.(Nutrition and Dietetics) (Sem.-4)

**MATERNAL AND CHILD NUTRITION**

Subject Code : BSND222-18

M.Code : 79522

Date of Examination : 20-05-2025

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTIONS TO CANDIDATES :**

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**SECTION - A**

1. Write briefly :
  - a. Nutrition
  - b. Pregnancy
  - c. Weaning
  - d. Preterm baby
  - e. Any two physiological changes during pregnancy.
  - f. Placenta
  - g. Nutrients in colostrum
  - h. Two important guidelines during breastfeeding.
  - i. Growth
  - j. Food items given as supplementary foods.



**SECTION - B**

2. Why is maternal nourishment important?
3. Discuss the physiological changes which happen in a mother during lactation.
4. Give an overview of formulae foods and their marketing.
5. What do you understand by artificial feeding? Discuss its advantages.
6. Write a note on feeding of premature babies.

**SECTION - C**

7. Write a detailed note on physiological and biochemical changes that occur during pregnancy.
8. Discuss the nutritional needs of an infant with special emphasis on breast milk and its advantages.
9. Write a detailed note on supplementary feeding, its advantages as well as disadvantages.

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**SECTION-B**

Total No. of Questions : 09

B.Sc. (Nutrition and Dietics) (Sem.-4)

**CLINICAL NUTRITION**

Subject Code : BSND-223-18

M.Code : 79523

Date of Examination : 23-05-2025

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTIONS TO CANDIDATES :**

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
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3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

**SECTION-A**

1. Write briefly :
  - a) Nutrition
  - b) Difference between soft fluid and clear fluid diet.
  - c) Soluble fibre
  - d) SGOT
  - e) Polydipsia and polyphagia
  - f) Blood pressure
  - g) Nephron
  - h) Calculi
  - i) Difference between gastric and duodenal ulcers.
  - j) Any four important symptoms to know the patient is suffering from constipation.



2. What do you understand by clinical nutrition?
3. Explain in detail, any TWO specially modified therapeutic diets.
4. Write a note on etiology, symptoms and dietary management of ulcerative colitis.
5. Write a note on etiology, symptoms and dietary management of atherosclerosis.
6. Write a note on symptoms and dietary management of renal failure.

**SECTION-C**

7. Ramesh has high fever and abdominal pain. The color of urine is dark and stools is light. Bilirubin levels were as high as 4.3mg/dL. What ailment is he suffering from? Discuss in detail, its causes, clinical signs, symptoms and dietary management.
8. Discuss in detail, the causes, clinical signs, symptoms and dietary management of diabetes mellitus.
9. Write a detailed note on therapeutic adaptations of a normal diet.

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B.Sc. Hons. (Nutrition & Dietetics) (Sem.-4)

### RESEARCH METHODOLOGY

Subject Code : BSND227-18

M.Code. : 79527

Date of Examination : 27-05-2025

Time : 3 Hrs.

Max. Marks : 60

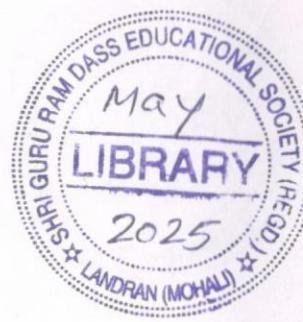
#### INSTRUCTIONS TO CANDIDATES :

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#### SECTION - A

##### 1. Write briefly :

- a. Descriptive research design
- b. Blueprint of any research process.
- c. Attitude scale
- d. Methods of sampling.
- e. Organization of data
- f. Cross tabulation of data
- g. Significance value
- h. Sampling testing technique
- i. Data management and analysis
- j. Hypothesis testing



#### SECTION - B

2. What do you mean by research design? Explain various types of research designs.
3. Explain various methods of probability sampling.
4. Write a short note on following :
  - a. Strategies used in any Research.
  - b. Rating scale
5. Define data analysis with its features.
6. How collected data is presented before users?

#### SECTION - C

7. How an investigator can ensure the validity of any diagnostic tests conducted by him during any course of investigation?
8. Draft a questionnaire for evaluating the dietary habits of working women.
9. Why is it significant to present the data in layman language? What are the parameters of a good report presentation? Discuss in detail.

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