Roll No. [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] Total No. of Pages : 02

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B.Sc. (Nutrition and Dietetics)(Sem.–4)

FOOD STANDARDS AND QUALITY CONTROL

Subject Code : BSND221-18

M.Code : 79521

Date of Examination : 09-05-2026

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) FSSAI

b) Biological Hazards

c) List various toxic metals

d) GHP

e) List the food adulterants of Edible oil

f) Protease inhibitors

g) ISO 22000

h) Class I preservatives

i) USFDA

j) Clostridium botulinum

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SECTION-B

2. Discuss in brief about various types of mycotoxins.
3. What are some of the salient features of Codex Alimentarius?
4. Write a note upon the various sources of food additives used in food.
5. What is contamination? List and discuss various metallic contaminants which are dangerous to human health.
6. Write the method of detections of adulterants in foods like Ghee, Paneer, Coffee and Wheat flour.

SECTION-C

7. Write in detail about the principles of Hazard Analysis and Critical Control Points (HACCP) and its significance.
8. Define Food additives. Explain different food additives used in food preparations.
9. What do you understand by food adulteration? Enlist various food and their food adulterants with their effects on health.

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Roll No. [ ][ ][ ][ ][ ][ ][ ][ ][ ][ ] Total No. of Pages : 02

Total No. of Questions: 09

B.Sc. (Nutrition and Dietic) (Sem.–4)

MATERNAL AND CHILD NUTRITION

Subject Code: BSND 222-18

M.Code:79522

Date of Examination:12-05-2026

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) IYCF

   b) Foetus

   c) Placenta

   d) Any two guidelines for breastfeeding

   e) Low term baby

   f) Any two disadvantages of artificial feeding

   g) Any two advantages of supplementary feeding

   h) Any two complications during pregnancy

   i) Any two physiological changes during lactation in mothers

   j) Name any four foods given to an infant during the initial weaning period

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SECTION – B

2. Why is maternal nutrition important?
3. Throw light on the nutritional needs of a pregnant woman?
4. What are the advantages of breast milk?
5. Discuss the advantages of weaning?
6. Throw light on the regulation of marketing of breast milk substitutes in India?

SECTION – C

7. What do you understand by the term lactation? Discuss the nutritional requirements of lactating mothers?
8. Discuss the various complications that occur during pregnancy along with their dietary management?
9. a. Throw light on the feeding of preterm babies?

   b. Explain in detail the process of supplementary feeding?

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Roll No. | | | | | | | | | | | Total No. of Pages : 02

Total No. of Questions: 09

B.Sc. Hons. (Nutrition and Dietics) (Sem.–4)

CLINICAL NUTRITION

Subject Code: BSND223-18

M.Code: 79523

Date of Examination: 15-05-2026

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) Discase

b) Difference between soft and fluid diet

c) What do you understand by the term clinical signs

d) Any two causes of diarrhoea

e) Any two causes of hepatitis

f) Any two symptoms if a patient is suffering from diabetes mellitus

g) SGOT

h) Nephron

i) Calculi

j) Difference between gastric and duodenal peptic ulcers

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SECTION – B

2. Throw light on the goals of diet therapy?
3. Discuss the nutrition screening done in clinical setting?
4. Discuss the etiology, symptoms and dietary management of constipation?
5. Explain the etiology, symptoms and dietary management for hypertensive patient?
6. Throw light on etiology, symptoms and dietary management for a patient suffering from acute glomerulonephritis?

SECTION – C

7. Explain in detail the therapeutic adaptations of a normal diet? Discuss the specially modified therapeutic diets as well?
8. Discuss in detail the etiology, symptoms, complications and dietary management of peptic ulcers?
9. Discuss in detail the etiology, symptoms, complications and dietary management of any one Diabetes mellitus OR nephrotic syndrome

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B.Sc. Honours (Nutrition and Dietetics) (Sem.–4)

RESEARCH METHODOLOGY

Subject Code : BSND227-18

M.Code. : 79527

Date of Examination: 18-05-2026

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) Alternate Hypothesis

b) Descriptive Study

c) Cross-Sectional Study

d) Non-random sampling

e) Rating Scale

f) Frequency Distribution

g) Health Indicator

h) Inferential Statistics

i) p-value

j) Bibliography

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SECTION-B

2. Differentiate between descriptive and analytic study designs. Give suitable examples from the field of Nutrition and Dietetics.
3. Describe the interview method of data collection. What are the advantages of interviews over questionnaires in nutritional research?
4. What is tabulation of data? Explain the principles and methods of tabulating and organizing data collected in a nutritional survey.
5. What is statistical testing of hypothesis? Explain the steps involved in hypothesis testing with reference to nutritional research.
6. What are the different methods of data presentation? Explain how tabular and graphical methods are used to present nutritional data.

SECTION-C

7. What are health indicators and why are they important in public health and nutritional research? Discuss the concepts of sensitivity, specificity, positive predictive value (PPV), and negative predictive value (NPV) of diagnostic tests.
8. Describe the various methods of sampling used in nutritional research. Differentiate between probability and non-probability sampling techniques.
9. Discuss the process of data collection, tabulation, and organisation in a nutritional survey. Describe how the validity and reliability of diagnostic tests are assessed in clinical nutrition research.

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