

Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. (Nutrition & Dietetics) (Sem.-4) RESEARCH METHODOLOGY Subject Code : BSND-227-18 M.Code. : 79527 Date of Examination : 16-12-2023

Time : 3 Hrs.

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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.
- SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A

- 1. Write briefly :
  - a. Research Process
  - b. Strategies used in any Research
  - c. Rating scale
  - d. Questionnaire and Schedule
  - e. Reference values
  - f. Techniques of data collection
  - g. Cross tabulation of data
  - h. Difference between Large sample and Small sample
  - i. Data management and analysis
  - j. Hypothesis testing.

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# SECTION-B

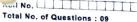
- 2. What do you mean by research design? Explain various types of research designs.
- Explain various methods of data collections.
- 4. Write short note on the following :
  - a. Attitude scale
  - b. Methods of sampling.
- 5. Define hypothesis testing with an example.
- 6. How collected data is presented before users.

#### SECTION-C

- What do you mean by sampling techniques? Explain them with relevant examples and their advantages.
- How an investigator can ensure the validity of any diagnostic test conducted by him during any course of investigation?
- 9. Draft an imaginary interview process for evaluating the nutrition habits of sportsmen.

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Total No. of Pages : 02

B.Sc. Hons. (Nutrition and Dietetics) (Sem.-4) CLINICAL NUTRITION Subject Code : BSND-223-18 M.Code : 79523 Date of Examination : 14-12-2023

## Time : 3 Hrs.

### Max, Marks : 60

INSTRUCTIONS TO CANDIDATES :

- 1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks
- 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. Answer briefly :
  - a) Nutritional status
  - b) Difference between regular and soft diet
  - c) Insoluble fibre
  - d) SGPT
  - e) Nocturia and polyuria
  - f) Plaque
  - g) Glomerular filtration rate
  - h) Giomerulus
  - i) Difference between acute and chronic glomerulonephritis
  - j) Any four important symptoms to know the patient is suffering from diarrhea.

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### SECTION-B

- 2. Throw light on full fluid and clear fluid dict.
- Explain in detail, any two specially modified therapeutic diets. 3.
- 4. Write a note on etiology, symptoms and dietary management of gastric ulcers.
- Write a note on etiology, symptoms and dietary management of hypertension. 5.
- Write a note on symptoms and dietary management of urinary calculi. 6.

### SECTION-C

- 7. Rahul works in an MNC. Off late, he has been having less than two stools a week. The stools are hard as well. 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 cardiovascular diseases.
- 9. Write detailed notes on :
  - a) Symptoms and dietary management of glomerulonephritis.
  - b) Any five therapeutic adaptations of a normal diet.

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Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. Hons. (Nutrition and Dietetics) (Sem.-4) MATERNAL AND CHILD NUTRITION Subject Code : BSND222-18 M.Code : 79522 Date of Examination : 12-2023

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

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

### SECTION-A

- 1. Answer briefly :
  - a. Infant
  - b. RDA
  - c. Colostrum
  - d. Artificial feeding
  - c. Any two complications during pregnancy
  - f. Foctus
  - g. Exclusive breast feeding
  - h. Two important pointers for feeding of low term babies
  - i. Development
  - j. Transition in consistency of supplementary foods.

### SECTION-B

- 2. Pregnancy leads to physiological changes. Discuss.
- 3. Discuss the inter relationship of maternal nutrition and foetal outcome.
- 4. Throw light on the formulae foods available in the market for feeding infants.
- 5. What do you understand by weaning? Discuss its advantages.
- 6. Throw light on the regulations of marketing breast milk substitutes in India.

### SECTION-C

- 7. Write a detailed analysis of importance of maternal and infant nutrition.
- Discuss the complications along with dietary management that may occur during pregnancy.
- 9. The Ministry has given guidelines on infant and young child feeding practices. Discuss.

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Roll No. Total No. of Pages : 02 Total No. of Questions : 09 B.Sc. - Honours (Nutrition and Dietetics) (Sem.-4) FOOD STANDARDS AND QUALITY CONTROL Subject Code : BSND-221-18 M.Code : 79521 Date of Examination : 09-12-2023 Time : 3 Hrs

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Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

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

### SECTION-A

- 1. Answer briefly :
  - a) Food sampling
  - b) Food evaluation
  - c) Food standards
  - d) GHP
  - e) Chemical hazards
  - f) Concept of HACCP
  - g) Objective of Food Quality Management System
  - h) AGMARK
  - i) Adulteration test for milk
  - j) Adulteration test for black pepper.

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### SECTION-B

- 2. What do you understand by food quality? Discuss the grading and marketing standards
- 3. Write a note on the physical and bacterial hazards in food.
- 4. Discuss in detail, Food Safety and Management system.
- 5. Define and classify food additives.
- 6. Write notes on :
  - a) BIS
  - b) GRAS.

### SECTION-C

- 7. a) Discuss the factors affecting food quality.
  - b) Discuss the objectives of FSSAI
- 8. Write notes on :
  - a) Oxalates and phytates
  - b) Food Quality and Management System and Food Safety Management System.
- 9. Discuss in detail food laws and regulations of various international agencies.

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