

Total No. of Questions : 09

Total No. of Pages : 02

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

Subject Code : BSND-221-18

M.Code : 79521

Date of Examination : 07-05-2024

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

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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. Explain the following :
 - i. Food quality
 - ii. Grading
 - iii. Oxalates
 - iv. Full form of HACCP
 - v. Examples of FOUR physical hazards
 - vi. Main objective of FSSAI
 - vii. Food additives
 - viii. Adulteration tests done for sugar
 - ix. AGMARK
 - x. Difference between subjective and chemical methods to check food quality.



SECTION-B

2. Discuss the factors affecting Food Quality.
3. Throw light on the various types of food intoxicants.
4. Write a note on Food Quality Management System and Food safety Management System.
5. Define food additives. Discuss them in the light of their safety.
6. Write a note on standards for product quality and its safety.

SECTION-C

7. Write a detailed note on various subjective methods of assessment of Food Quality.
8. Explain in detail the concept, planning, implementation and management of HACCP.
9. **Explain :**
 - a) What do you understand by food adulteration? Explain its classification.
 - b) Codex alimentarius.

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

MATERNAL AND CHILD NUTRITION

Subject Code : BSND-222-18

M.Code : 79522

Date of Examination : 13-05-2024

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

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SECTION-A

1. Write briefly :

- a) Enlist the Different preparation suitable for the Lactating mother.
- b) Define pregnant women and its energy and protein requirements.
- c) Write about maternal nutrition and foetal outcome.
- d) Write about the advantage and disadvantage of Weaning.
- e) Explain Indian Regulation of marketing of breast milk substitutes.
- f) Write about the feeding pattern of pre mature babies.
- g) Explain nutritional requirements for Infants mainly Protein, Fat as per RDA 2020.
- h) Write about the importance of maternal nutrition.
- i) Define Colostrum and advantage of Breast milk.
- j) Define RDA, BMI, Balance diet as per ICMR.

SECTION-B

2. Explain National Guidelines on infant and young child feeding practices?
3. Explain relationship between Latest RDA 2020 in context to infant nutrition?
4. Write in detail about the marketing of Formulae foods and its advantage and disadvantage.
5. Explain the physiological change and biochemical change during pregnancy.
6. Develop a diet plan for lactating mother. Also explain physiological change in lactation.

SECTION-C

7. Write in detail :

- a) Nutrition needs of infants and guidelines for breast feeding.
- b) Growth and development of Infants.

8. Plan a diet plan for pregnant women for 2nd trimester in consider to its nutrition needs. Also, explain complications of pregnancy.

9. Write the difference between :

- a) Feeding of preterm babies-and Premature babies.
- b) Artificial Feeding and Supplementary Feeding.

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

CLINICAL NUTRITION

Subject Code : BSND223/18

M.Code : 79523

Date of Examination : 14-05-2024

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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SECTION-A

1. Explain the following :
 - a) Nutritional status
 - b) Differentiate between full fluid diet and clear fluid diet
 - c) Dietitian
 - d) Colitis
 - e) ALT and AST
 - f) Fasting glucose
 - g) Glycemic index
 - h) Clinical signs of hypertension.
 - i) Nephritis
 - j) Calculi.



SECTION-B

2. What do you understand by nutritional status and disease?
3. Discuss the etiology, clinical signs and symptoms and dietary management of constipation.
4. As a dietitian, discuss the etiology, clinical signs and symptoms and dietary management of hypertension.
5. Discuss the etiology, clinical signs and symptoms and dietary management of nephrotic syndrome.
6. Throw light on the etiology, clinical signs and symptoms, metabolic changes and dietary management of a patient suffering from cirrhosis.

SECTION-C

7. Explain the concept of diet therapy. Write a detailed note on soft diets and specially modified diets.
8. Priya, age 65 has been diagnosed with 80% and 90% blockages in two major arteries. As a dietician, explain her the etiology, clinical signs and symptoms, metabolic changes and dietary management to take care of her cardiovascular disease.
9. Kanchan complains of constant heart burn. She has been diagnosed with peptic ulcers. Discuss the clinical signs and symptoms, metabolic changes, complications and dietary management to take care of the ailment.

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

RESEARCH METHODOLOGY

Subject Code : BSND227/18

M.Code. : 79527

Date of Examination : 17-05-2024

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

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SECTION-A

1. Write briefly :

- a) Criteria of a good research
- b) Type of questionnaires
- c) Rating scales
- d) Precautions in data collection
- e) Quasi-Experimental Designs
- f) Descriptive Statistics
- g) Chi-square test
- h) Null and Alternate hypothesis
- i) Types of Research Reports
- j) Validity of diagnostic tests.



SECTION-B

2. What precautions should be kept in mind while planning and designing a Research study?
3. Write in detail about articulating the hypothesis. Also, explain the importance of Null and Alternate Hypothesis, level of significance and confidence intervals.
4. What are the different types and methods of data collections?
5. What is the role played by method of central tendency and measure of dispersion in analysis of data in descriptive research design?
6. Explain the overall structure of the research report.

SECTION-C

7. What precaution should be taken while collecting the primary and secondary data for avoiding the errors it? How will you make your research problem to be more impressive in making its statement and designing its hypothesis?
8. a) What do you mean by Reference values? Explain in detail about health indicators and validity of the diagnostic tests.
b) What are the different types of Research Designs? Explain all the Research Designs in detail.
9. a) Write in detail about the management of the data. Explain the different techniques used in analysis and data?
b) What is the importance of presentation of data? What role does it play in research report writing?

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