

R7192

Sub. Code

453N01

M.A. DEGREE EXAMINATION, NOVEMBER – 2022

Seventh Semester

Home Science (Spl. I – Nutrition and Dietetics)

ADVANCED FOOD SCIENCE

(CBCS – 2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Write about the functional classification of foods
2. Define fermentation
3. List out the toxic constituents in pulses
4. What is germination?
5. Write the composition of meat
6. Draw the structure of egg
7. List the composition of milk
8. Define rancidity
9. BIS
10. What is meant by fortification?

Part B

(5 × 5 = 25)

Answer **all** questions, choosing either (a) or (b).

11. (a) Explain the cooking methods.

Or

- (b) Write and discuss the factors affecting gelatinization.

12. (a) Explain the effect of cooking on pulses.

Or

- (b) Explain about the pigments in fruits and vegetables.

13. (a) Explain the tenderization of meat.

Or

- (b) Describe about the curing of fish.

14. (a) Explain the hydrogenation process of fats.

Or

- (b) Explain the stages of sugar cookery.

15. (a) Enumerate the common adulterants present in food.

Or

- (b) Explain AGMARK.

Part C

(3 × 10 = 30)

Answer any **three** questions.

16. Define gelatinization and explain advantages, factors affecting gelatinization.

17. Explain briefly effect of cooking on nutrients and pigments.

18. Discuss briefly about the classification, selection and smoking of fish.
 19. Briefly explain about the artificial sweetings.
 20. Enumerate the fortification of cereal and cereal products.
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R7193

Sub. Code

453N03

M.A. DEGREE EXAMINATION, NOVEMBER – 2022

Seventh Semester

Home Science (Spl. I — Nutrition and Dietetics)

COMMUNITY NUTRITION AND EDUCATION

(CBCS – 2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. List the types of community nutrition.
2. Write the characteristics of Community nutrition.
3. What is fluorosis?
4. Write the types of nutrition education.
5. List out the national organization of nutrition programme.
6. Write the objectives of ICDS.
7. Define extension education.
8. What is innovation transfer model?
9. Write the objectives of national extension systems.
10. List out the functions of Panchayat union.

Part B

(5 × 5 = 25)

Answer **all** questions, choosing either (a) or (b).

11. (a) Describe in details the types of community.

Or

- (b) How to assess the vital health statistics? Explain.

12. (a) Explain about the prevalence programme of vitamin A deficiency.

Or

- (b) Enumerate the problems of nutrition education.

13. (a) Explain about the polices of UNESCO.

Or

- (b) Write about DANIDA.

14. (a) Explain the process and principles of learning in extension education.

Or

- (b) Discuss the extension approaches in farming systems development.

15. (a) Write about the structures and functions of Panchayat union.

Or

- (b) Explain the functions of state social welfare board.

Part C

(3 × 10 = 30)

Answer any **three** questions.

16. Discuss dietary assessment.
 17. How to executing and evaluating nutrition education programme?
 18. Explain in details about the objectives and operation of primary health centre.
 19. Enumerate the objectives and functions of agricultural extension.
 20. Explain the role of national extension system in department of science and technology.
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R7194

Sub. Code

453N04

M.A. DEGREE EXAMINATION, NOVEMBER – 2022

Seventh Semester

Home Science (Spl-I: Nutrition and Dietetics)

FOOD PRODUCT DEVELOPMENT AND MARKETING

(CBCS – 2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. How will you define social concern?
2. Define health concerns.
3. Define Food Packaging.
4. List out some of the traditional Indian foods.
5. Define Case Study.
6. Write the abbreviation of SWOT.
7. Give any four sports person's food products.
8. Mention any four regulations of FSSAI.
9. Define marketing.
10. Write any two concepts of Marketing.

Part B

(5 × 5 = 25)

Answer **all** questions, choosing either (a) or (b).

11. (a) Write down the classification of new food product development.

Or

- (b) What are the new food products in market? Explain.

12. (a) Discuss the standardization of formulation process.

Or

- (b) Write a short note on final project report.

13. (a) What are the assessment techniques of food processing?

Or

- (b) Describe in detail about business plan.

14. (a) What are the criteria for formulation of new food products for infants?

Or

- (b) Discuss on standard and safety of food and food products.

15. (a) Briefly write the concept of marketing.

Or

- (b) Write about the role of export promoting agencies?

Part C

(3 × 10 = 30)

Answer any **three** questions.

16. Discuss technological and governmental influences on food product development.
 17. Elaborate the steps involve in food product development.
 18. Elucidate the business idea generation and evaluation exercise in detail.
 19. Describe the emergencies and therapeutic uses for the formulation of new food product.
 20. Explain the export potential for selected Indian foods.
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R7195

Sub. Code

453EC2

M.A. DEGREE EXAMINATION, NOVEMBER – 2022

Seventh Semester

Home Science (Spl.I – Nutrition and Dietetics)

WOMEN AND SOCIETY

(CBCS – 2019 onwards)

Time : Three Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

All questions carry equal marks.

1. Define feminism.
2. Point out the role of gender in society.
3. What is Narmada valley project?
4. List the responsibilities of women in society.
5. Mention any two contributions of Mahatma Phule towards women development.
6. List any two reasons for women emancipation.
7. What is panchayat raj?
8. Give two examples each of women leaders' in pre independent and post-independent India.
9. Define NGO.
10. Expand AIWC and NCWIE.

Part B

(5 × 5 = 25)

Answer **all** questions, choosing either (a) or (b).

11. (a) Classify social reform movement.

Or

- (b) Brief on the concept of women's movement.

12. (a) Explain Indian Independence movement.

Or

- (b) Discuss women's status in India post- independence.

13. (a) Write a short note on the role of Rajaram Mohan Roy in women liberation.

Or

- (b) Describe the portrayal of women in Hinduism.

14. (a) Describe Women's bill.

Or

- (b) Write a short note on women's role in politics.

15. (a) Describe the main functions of NGO's?

Or

- (b) Detail on Women's India Association.

Part C

(3 × 10 = 30)

Answer any **three** questions.

16. Analyze the status of women through ages in India.

17. Describe

- (a) Chipko movement

- (b) Peasant movement.

18. Discuss the contribution of women social reformers in emancipation of women.
 19. Elaborate the input of international and national women in Parliament through ages.
 20. Narrate the impact of NGO's on women development.
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R7200

Sub. Code

453N11

M.A. DEGREE EXAMINATION, NOVEMBER – 2022

Ninth Semester

Home Science (Sp:I Nutrition and Dietetics)

MICRONUTRIENTS

(CBCS – 2018 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. List out the fat soluble vitamins.
2. Define metabolism.
3. How will you define digestion?
4. List the food sources of Vitamin B₁₂.
5. Write the RDA of calcium for Women.
6. How will you define toxicity?
7. Mention any four rich foods in zinc.
8. What is RDA?
9. What do you mean by acid base balance?
10. How will you define minerals?

Part B

(5 × 5 = 25)

Answer **all** questions, choosing either (a) or (b).

11. (a) Explain the digestion and absorption of Vitamin A.

Or

- (b) Write a note on physiological functions of Vitamin D.

12. (a) Discuss on metabolism of Riboflavin.

Or

- (b) Describe the digestion of Thiamine.

13. (a) Explain the physiological functions of potassium.

Or

- (b) Write in detail on digestion of phosphorous.

14. (a) Elaborate on the metabolism of fluorine.

Or

- (b) Write the sources and deficiency disorder of Iodine.

15. (a) Differentiate between water and fat soluble vitamins.

Or

- (b) Write a note on water and acid base balance.

Part C

(3 × 10 = 30)

Answer any **three** questions.

16. Elucidate the deficiency disorders of E and K in detail.

17. Write about the any two water soluble vitamins in detail.

18. Elaborate the deficiency disorders of sodium and chloride.
 19. Explain the methods of assessment and interrelationship between minerals.
 20. Discuss the interrelationship between macro and micro minerals.
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R7201

Sub. Code

453N12

M.A. DEGREE EXAMINATION, NOVEMBER – 2022

Ninth Semester

**Home Science (Specialization – I : Nutrition and
Dietetics)**

THERAPEUTIC NUTRITION

(CBCS – 2018 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Write two objectives of diet therapy.
2. What are the symptoms of peptic ulcer?
3. Define cholecystitis.
4. Mention the etiology of liver disorders.
5. Define Hypertension.
6. How does antioxidant helps in prevention of diseases?
7. What do you mean by Insulin Dependent?
8. Name the foods which are high in GI.
9. Write the symptoms of Osteoporosis.
10. What do you mean by Alzheimer disease?

Part B

(5 × 5 = 25)

Answer **all** questions, choosing either (a) or (b).

11. (a) What are the principles of diet therapy?

Or

- (b) Write a short note on Constipation.

12. (a) Explain dietary regimen in Jaundice.

Or

- (b) Discuss on Hepatic Coma.

13. (a) Write the causes and prevention on Hypercholesterolemia.

Or

- (b) Explain dietary interventions of Anaemia.

14. (a) What are the risk factors of Cardiac Diseases?

Or

- (b) Discuss on causes of cancer cell development.

15. (a) Discuss on Parkinson's disease.

Or

- (b) Write the dietary modifications for Dental Caries.

Part C

(3 × 10 = 30)

Answer any **three** questions.

16. Explain in detail on hospital diets.
17. Explain the aetiology and dietary management of Renal failure.

18. Write about the prevention and dietary management of Congestive Heart Failure.
 19. Discuss on nutrition of Cancer.
 20. Elaborate on the dietary management of AIDS.
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R7202

Sub. Code

453N14

M.A. DEGREE EXAMINATION, NOVEMBER – 2022.

Ninth Semester

Home Science (Spl – I : Nutrition and Dietetics)

NUTRACEUTICALS AND NUTRIGENOMICS

(CBCS – 2018 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define traditional food.
2. List any four designer foods.
3. Give examples of good sources of FOSHU foods.
4. Define health.
5. List out any four probiotics foods.
6. How will you define nutrition?
7. What do you mean by transcription?
8. Define nutrigenomics.
9. List any four essential amino acids.
10. Define nucleotides.

Part B

(5 × 5 = 25)

Answer **all** questions, choosing either (a) or (b).

11. (a) Elaborate the components of functional foods.

Or

- (b) Write down the classification of nutraceuticals based on mechanism of action.

12. (a) Discuss on FOSHU foods and its concepts and regulatory aspects.

Or

- (b) Elaborate on concept of dietary supplements.

13. (a) Differentiate prebiotic and probiotic.

Or

- (b) Discuss on human gastrointestinal tract and its macrobiotic functions.

14. (a) Explain the nutritional implications of gene expression.

Or

- (b) Discuss on post translational modification in gene expression.

15. (a) Write down the basic concepts of nutrigenomics and complex disease in cancer.

Or

- (b) Explain the control of gene expression in amino acids.

Part C

(3 × 10 = 30)

Answer any **three** questions.

16. Outline the history of functional foods and nutraceuticals.
 17. Elaborate on FOSHU foods in health and disease.
 18. Write on the applications of probiotics in human nutrition.
 19. Discuss on post translational modification and nutritional implications.
 20. Explain the basic concepts of nutrigenomic and complex disease in diabetes.
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R7203

Sub. Code

453NE5

M.A. DEGREE EXAMINATION, NOVEMBER – 2022

Ninth Semester

Home Science (Spl. I — Nutrition and Dietetics)

HOUSE KEEPING AND FRONT OFFICE MANAGEMENT

(CBCS – 2018 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What is Housekeeping?
2. What s the role of housekeeping department in a hotel?
3. Who is runner?
4. State any four qualities of a store keeper.
5. Explain Housekeeping control desk.
6. What is lost and found register?
7. What is the role of a concierge?
8. What is front office?
9. What are sources of reservation?
10. What is front office cashier?

Part B

(5 × 5 = 25)

Answer **all** questions, choosing either (a) or (b).

11. (a) Mention the important functions of housekeeping department.

Or

- (b) What is the role of housekeeping in guest satisfaction and repeat business?

12. (a) Bring out the job description of Floor supervisor.

Or

- (b) Explain the role of an Executive Housekeeper in a hotel.

13. (a) What are the equipment used in housekeeping?

Or

- (b) Why is co-ordination between maintenance and housekeeping vital? Explain giving relevant examples.

14. (a) Bring out the qualities of front office staff.

Or

- (b) Discuss the job description of front office assistant.

15. (a) What is guest folio in front office? Give model statement.

Or

- (b) What are the modes of making a reservation?

Part C

(3 × 10 = 30)

Answer any **three** questions.

16. Briefly explain about the different areas of housekeeping.
 17. Illustrate the organizational structure of housekeeping department in a large sized hotel.
 18. Describe the role of housekeeping control desk.
 19. Highlight the duties and responsibilities of front office manager.
 20. Briefly discuss about guest cycle.
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