

Exam Code: 119704

Paper Code: 4194

Programme: Bachelor of Science (Home Science)

Semester-IV

Course Code: BHSL-4172 ✓

Course Title: Consumer Economics

Time: 3 Hours

Theory: 60

Note: Attempt five questions in all, selecting at least one question from each section. The fifth question may be attempted from any section. Each question carries 12 marks.

Section - A

- Q1. Give a detailed description of process for consumer protection. (12)
- Q2. Write the various measures for strengthening consumer movement. (12)

Section - B

- Q3. What do you understand by consumer rights and responsibilities? (12)
- Q4. What 3 questions you should ask yourself while deciding on right purchase? (12)

Section - C

- Q5. What is the difference between grading and standardization? (12)
- Q6. Why is branding important? What are its advantages? (12)

Section - D

- Q7. Define Entrepreneurship. What are the qualities of an entrepreneur? (12)
- Q8. What are the two-basic purpose of advertising? (12)

Exam Code: 119704

Paper Code: 4193

Programme: Bachelor of Science (Home Science) Semester-IV

Course Title: Developmental Stages till Old Age

Course Code: BHSL-4281 ✓

Time allowed: 3 hours

Max. Marks: 60

Note: Students are required to attempt five questions in all, selecting atleast one question from each section. Fifth question can be attempted from any section. Each question carries 12 marks.

Section A

Q1) Write a note on

a) Physical changes in adolescents

6

b) emotional changes in puberty

6

Q2) Write a note on

a) Psychological changes in adolescents

6

b) emotional changes in puberty

6

Section B

Q3) Explain in detail:-

a) Changes in young adulthood

6

b) Developmental tasks of adulthood

6

Q4) Differentiate between any two parenting techniques.

12

Section C

Q5) Discuss the changes that take place in late adulthood.

12

Q6) Discuss the role of grandparents in growth and development of a child.

12

Section D

Q7) Define retirement. Write a note on the factors that lead to stress in after retirement life.

12

Q8) Explain any four physical and psycho-social aspects of aging.

12

Exam Code: 119704

Paper Code: 4199

Programme: Bachelor of Science (Home Science)

Semester - IV

Course Title: Applied Chemistry

Course Code: BHSM-4087

Time: 3Hours

Max Marks: 60

Note: - Attempt five questions in all, selecting at least one question from each section. The fifth question may be attempted from any Section. Each question carries 12 marks.

SECTION-A

1. (a) Give points of difference between Soap and Detergents? (6)
(b) Why does micelle formation take place when soap is added to water? Will a micelle be formed in other solvents such as ethanol also? (6)
2. (a) Explain the concept of pH. How is it measured? Write a short note on the significance of pH in everyday life with at least three examples. (6)
(b) Define acids, bases, and salts with examples. Explain the Arrhenius and Bronsted -Lowry concepts of acids and bases. Also, discuss the neutralization reaction with a suitable equation. (6)

SECTION-B

3. (a) Differentiate between thermoplastic and thermosetting plastics with two examples each. Explain the structure and uses of natural rubber and synthetic rubber in daily life. (6)
(b) Explain the environmental impact of excessive plastic use. Suggest at least four eco-friendly alternatives or methods to manage plastic waste. (6)
4. (a) What are polymers? Explain the polymerization process with respect to plastics. Classify plastics based on their behavior on

heating and give two examples of each type with their uses.

(6)

(b) Differentiate between natural and synthetic rubber based on their source, structure, and uses. Give two examples of synthetic rubbers and their specific applications.

(6)

SECTION-C

5. (a) What are cosmetics? List the major components used in cosmetic products like creams, lotions, and lipsticks. Explain the function of any three common ingredients.

(6)

(b) Discuss the chemical composition and purpose of the following ingredients commonly used in cosmetics:

(6)

(I) Sunscreen

(II) Preservatives

(III) Fragrances/Perfumes

6. (a) Why is it important to understand the composition of cosmetics before using them? Give 3 reasons with examples.

(6)

(b) Choose any one cosmetic product you or your family uses regularly (like a face cream, shampoo, or lipstick) and explain what you think are its main ingredients and why they are used.

(6)

SECTION-D

7. (a) Define fuel. Classify fuels commonly used in homes into solid, liquid, and gaseous types. Explain the advantages and disadvantages of each type with examples.

(6)

(b) Discuss the characteristics of an ideal domestic fuel. How do smokeless fuels contribute to a healthier indoor environment? Mention any two government initiatives promoting clean cooking fuels in India.

(6)

8. (a) Compare LPG (Liquefied Petroleum Gas) and biogas as domestic fuels. Discuss their composition, efficiency, safety, and environmental impact.

(6)

(b) What is calorific value? Explain why it is important in selecting a fuel for domestic use. Compare the calorific values of wood, kerosene, and LPG.

(6)

Exam Code: 119704
(20)

Paper Code: 4195

Programme: Bachelor of Science (Home Science)
Semester-IV

Course Title: Kitchen Design and its Equipment

Course Code: BHSM-4283 ✓

Time Allowed: 3 Hours

Max Marks: 60

Each question carries 12 marks.

Candidates are required to attempt five questions, selecting at least one question from each section. "The fifth question may be attempted from any Section.

Section 1

1. Write in detail about the principles of kitchen layout and design.
2. Write in detail about the use of lighting, ventilation and drainage in kitchen.

Section 2

3. Write in detail about operation and care of
 1. Vacuum Cleaner
 2. Food Processor
4. What points should be considered while selecting kitchen equipment for its efficient use.

Section 3

5. General characteristics, suitability & care of equipment made of following materials
 1. Aluminium
 2. Brass
 3. Plastic
6. Write a note on general characteristics suitability and care of different material used for equipment construction and surface finish.

Section 4

7. Write in detail about classification of finishes and their suitability for different equipment's
8. Explain
 - a) Teflon coated non stick
 - b) surface finished tin and electroplated

Exam Code: 119704
(20)

Paper Code: 4196

Programme: Bachelor of Science (Home Science)
Semester-IV

Course Title: Quantity Food Production and Service

Course Code: BHSM-4284 ✓

Time Allowed: 3 Hours

Max Marks: 60

The candidates will attempt five questions, selecting at least one question from each section and fifth question may be attempted from any section. Each question carries 12 marks.

Section- I

1. Write down the aims and objectives of hospitality industry. 12
2. Discuss the different methods of services in food and beverage outlets. 12

Section- II

3. What is menu planning? Write down different methods to be considered during planning a menu. 12
4. Write notes on:
 - a) Personal hygiene of food handler
 - b) Cost control methods (2x6=12)

Section- III

5. Discuss in detail about the food management operation. 12
6. What is food production process? Write down the effects of cooking on nutritional quality of food. 12

Section- IV

7. How do you handle the Waste disposal in any food service unit? 12
8. Discuss in detail about planning of different service areas in any food service unit. 12

Exam Code: 119704

Paper Code: 4197

Programme: Bachelor of Science (Home Science) Semester-IV

Course Title: Traditional Embroideries, Textiles and Costumes of India

Course Code: BHSM-4285

Time allowed: 3 hours

Max. Marks: 60

Note: Students are required to attempt a total of five questions, one question from each section and fifth question can be attempted from any section. Each question carries 12 marks.

Section A

Q1. Explain:-

- (a) The embroidery of Kutch. What are its unique features? Explain the fabric, motifs and stitches used. 6
- (b) The types of stitches used in Kasida. How is it different from Kasuti of Kamataka? 6

Q2. Explain:-

- (a) Why Kantha is called best out of waste? Explain its types, fabric, motifs and stitches used. 6
- (b) Phulkari of Punjab and types of Bagh and Phulkari. 6

Section B

Q3. Explain the features of

- (a) Chanderi
- (b) Muslin
- (c) Baluchar

4 X 3 = 12

Q4. Explain the unique features and types of Kashmir carpets and Kashmir shawls in detail. 12

Section C

Q5. Explain the traditional textile known as Patola. What are different types of Patola? How is it different from Ikat? 12

Q6. Explain:-

- (a) Why Ikat of Orissa is a famous textile? Explain its types. 6
- (b) Why Pochampalli fabrics have a global appeal? 6

Section D

Q7. Explain the traditional costumes of Punjab and Jammu and Kashmir. 12

Q8. How are the costumes of Kerala and Gujarat different from others? 12

Exam Code: 119704

Paper Code: 4198

Programme: Bachelor of Science (Home Science) Semester-IV

Course Title: Applied Physics

Course Code: BHSM-4396 ✓

Time allowed: 3 hours

Max. Marks: 60

Note: Students are required to attempt a total of five questions in all, selecting atleast one question from each section. Fifth question can be attempted from any section. Each question carries 12 marks.

Section A

- Q.1 Explain in detail the term 'diffusion of light'. (12)
- Q.2 Explain the concepts of home lighting with respect of reflection and refraction of light. (12)

Section B

- Q.3 Write down the differences between incandescent lamps and CFLs. (12)
- Q.4 Write down the various sources of light with examples. (12)

Section C

- Q5. Write down the essential components of wiring and safety precautions. (12)
- Q6. Explain in detail the concept of energy. (12)

Section D

- Q7. Explain in detail the heating effect of current and its uses in household devices. (12)
- Q.8. Explain in detail the magnetic effect of current and its uses in an electric motor. (12)