

ASSIGNMENT SET - II**Department of Nutrition****Mugberia Gangadhar****Mahavidyalaya****B.VOC(BVFP)Semester-VI****PaperCode:BVFP603****Answer all the questions****UNIT I**

1. Explain the concept of automation in packaging systems. How does it improve efficiency and quality??
2. Explain the importance of compliance with international packaging standards and regulations in the food industry.
3. Define the term "food packaging" and elaborate on its importance in the context of food preservation and safety.
4. Discuss the role of different materials (e.g., plastics, paper, metals) in food packaging. What factors influence the choice of materials for a particular product?

UNIT II

1. Compare and contrast the advantages and disadvantages of using different packaging materials in terms of environmental sustainability.
2. Examine the advantages and disadvantages of using paper-based packaging materials. How does paper contribute to sustainability in packaging?
3. Explain the processing methods involved in manufacturing plastic packaging materials. How does the processing method affect the properties of the final product?

UNIT III

1. Explain the manufacturing process of aluminum foil. What are the key steps involved, and how is the thickness controlled during¹ production?

2. Describe the composition and structure of glass packaging materials. How do these properties influence the suitability of glass for different types of products?
3. Explain the purpose and importance of secondary packaging, focusing on folding cartons. How does secondary packaging contribute to product protection and branding?

UNIT IV

1. Explain the packaging considerations for meat products. How does packaging contribute to preventing contamination and ensuring meat quality?
2. Examine the packaging requirements for bakery products, including bread, cakes, and pastries. How does packaging contribute to maintaining freshness and texture?

UNIT V

1. Examine the role of quality control in packaging operations.
2. Compare and contrast Controlled Atmosphere Packaging (CAP) and Modified Atmosphere Packaging (MAP).
3. Discuss the role of capping machines in the packaging process.

UNIT VI

1. Discuss the key information that is legally required to be included on a food label.
2. Discuss the significance of date coding on food packages.
3. Discuss the challenges and benefits of implementing standardized front-of-pack labeling systems.