

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

1. What are the key considerations when selecting packaging machinery for a food manufacturing facility??
2. What regulatory considerations must be taken into account when designing packaging for food products
3. Trace the historical evolution of food packaging. How has it evolved from ancient times to the modern era?
4. Identify and explain the primary components of a food package. How do these components contribute to the overall functionality of the package?

UNIT II

1. Explain the importance of selecting appropriate packaging materials for different products. How does the choice of material impact the overall packaging performance?
2. Discuss the properties of paper that make it suitable for packaging. How has the use of paper evolved over time in the packaging industry?
3. Provide a brief history of the use of plastics in packaging. How has the role of plastics evolved, and what are the driving factors behind their popularity?

UNIT III

1. Discuss the properties of aluminum foil that make it suitable for packaging applications. How does it contribute to the preservation of food products?

2. Explain the manufacturing process of glass containers. Discuss the key steps involved and how the process impacts the final quality of the packaging material.
3. Explain the role of printing inks, varnishes, lacquers, and adhesives in the overall packaging process. How do these materials enhance the visual appeal and functionality of packaging?

UNIT IV

1. Discuss the specific packaging requirements for fresh fruits and vegetables. What considerations are crucial for maintaining their freshness and preventing spoilage?
2. Explain the packaging considerations for edible oils. How does packaging protect oils from oxidation and external factors?

UNIT V

1. Discuss the importance of laws, regulations, and specifications in the packaging industry. How do these standards ensure product safety and quality?
2. Discuss the concepts of Intelligent/Smart/Active packaging systems.
3. Explain the importance of canning machineries in the packaging of food and beverages.

UNIT VI

1. Explain the primary purposes of labeling on food packages.
2. Explain the different methods of coding used on food packages for product.
3. Describe the regulatory framework for food labeling in a specific country.