

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BVoc DEGREE EXAMINATION DECEMBER 2025
(Fifth Semester)

Branch - FOOD PROCESSING TECHNOLOGY

FOOD PACKAGING AND LABELLING

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (10 × 1 = 10)

Module No.	Question No.	Question	K Level	CO
1	1	Which of the following refers to 'quaternary packaging'? A. Primary packaging in direct contact with food B. Grouping of primary packages for retail display C. Packaging used for consumer convenience D. Palletization used for bulk handling and transport	K1	CO1
	2	Mention the packaging material that is inorganic and impermeable to gases and moisture? A. Paperboard B. Glass C. Low density polyethylene (LDPE) D. Jute	K2	CO1
2	3	Modified Atmosphere Packaging (MAP) typically alters which gas? A. Oxygen B. Nitrogen C. Carbon dioxide D. All the above.	K2	CO2
	4	Smart or intelligent packaging is designed to: A. Provide structural strength only B. Monitor or indicate the condition of the food (e.g., temperature, freshness) C. Always biodegradable D. Prevent spoilage	K1	CO2
3	5	Which packaging material is commonly used for retail eggs? A. Pulp B. Plastic C. Foam D. All the above	K1	CO3
	6	An important property of fresh fruits and vegetables packaging A. Total oxygen impermeability B. Controlled gas exchange/permeability C. Complete anaerobic environment D. Heavy metal barrier	K2	CO3
4	7	Recall the primary packaging requirement for sugars and salts. A. High oxygen barrier B. Moisture barrier to prevent caking and clumping C. RF shielding D. Light protection only	K2	CO4
	8	Expand HDPE A. High Density Polyethylene B. High density polypropylene C. High density polymethylene D. High density polyvinyl	K1	CO4

Cont...

5	9 measures a materials ability to resist pulling forces. A Tensile strength B. Bursting strength C. Tear strength D. None of the above	K1	CO5
	10	When did the Food Safety and Standards (Labelling and Display) Regulations, 2020 come into force for compliance? A. From 1st January 2020 B. After one year from the date of publication in the Official Gazette C. From 1st January 2022 D. From 1st July 2020	K2	CO5

SECTION - B (35 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks (5 × 7 = 35)

Module No.	Question No.	Question	K Level	CO
1	11.a.	Define Food packaging and outline its functions.	K3	CO1
		(OR)		
	11.b.	Differentiate between the properties and applications of woven and non-woven packaging.		
2	12.a.	Explain the principle and application of smart/intelligent packaging.	K5	CO2
		(OR)		
	12.b.	Critically summarize on industrial packaging machineries.		
3	13.a.	Discuss in detail about packaging requirements of fruits.	K4	CO3
		(OR)		
	13.b.	Enumerate on wholesale and retail packages of eggs.		
4	14.a.	Analyze the product characteristics and packaging requirements of instant mixes.	K4	CO4
		(OR)		
	14.b.	Examine in detail about whole sale and retail packaging of extruded and puffed products.		
5	15.a.	Outline the FSSAI standards for packaging.	K2	CO5
		(OR)		
	15.b.	Summarize on importance of barcoding and QR coding.		

SECTION - C (30 Marks)

Answer ANY THREE questions

ALL questions carry EQUAL Marks (3 × 10 = 30)

Module No.	Question No.	Question	K Level	CO
1	16	Explain the types of food packaging.	K5	CO1
2	17	Summarize the principle and applications of CAP and MAP.	K4	CO2
3	18	Explain packaging of milk and milk products.	K5	CO3
4	19	Discuss in detail about product characteristics and packaging requirements for oils and fats.	K4	CO4
5	20	Elaborate on different methods to evaluate packaging material.	K6	CO5

Z-Z-Z

END