

BV (6/CBCS) FPT/FPM VE 2

2024

**FOOD PROCESSING TECHNOLOGY/FOOD
PROCESSING AND QUALITY MANAGEMENT**

Paper : FPT-VE-6026/FPM-VE-6026

(Food Packaging)

Full Marks : 60

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

1. Choose the correct option/Answer the following : 1×7=7

(a) 'WVTR' stands for

- (i) water vapor transmission rate
- (ii) water vapor transfer rate
- (iii) water vapor track rate
- (iv) None of the above

(b) 'R-enamel' cans are used for

- (i) high acidic foods
- (ii) low acidic foods
- (iii) non-acidic foods
- (iv) medium acidic foods

(c) The method used to measure puncture resistance is

(i) ASTM D6241 test method

(ii) ASTM D1883 method

(iii) ASTM D4833 method

(iv) ASTM D1776 method

(d) Give one example of active packaging.

(e) What is the combination of edible film?

(f) Write the full form of 'GTR'.

(g) What is gas flushing?

2. Answer very short answer-type questions :

2×4=8

(a) Classify packaging.

(b) How do you differentiate between 'MAP' and 'CAP'?

(c) Write about the importance of packaging.

(d) Why is quality testing of packaging material important?

(3)

3. Write short answers on any *three* of the following : 5×3=15

- (a) Write five properties of food package.
- (b) Write a short note on intelligent packaging and '3Ps'.
- (c) Write about the functions and requirement for effective packaging.
- (d) Write about different types of plastics.
- (e) Explain about interaction of food package.

4. Answer the following essay-type questions (any *three*) : 10×3=30

- (a) Write four important properties of paper. Explain the methods of analysis paper.
- (b) What is form-fill-seal packaging? Explain the principle of form-fill-seal machine.
- (c) What is canned food? Write the principle of canned food. Explain about spoilage of canned food.

- (d) Explain about different forms of food containers.
- (e) What is packaging? Write about different types of packaging material used for food packaging.
- (f) What is aseptic packaging? Write the function of aseptic packaging. Write about the uses of aseptic packaging.
