

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. (Nutrition and Dietetics) (Sem.-2)

FOOD PACKAGING

Subject Code : BSND-124-18

M.Code : 77758

Date of Examination : 12-07-22

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A

1. Answer briefly :

- a) Write about packaging needs.
- b) What are different types of closures?
- c) Write advantages of CFB boxes.
- d) What is rejection molding and its two uses?
- e) Write applications of tin free cans.
- f) What are lacquers and their uses?
- g) What is packaging requirement of flesh food?
- h) What is packaging requirement of frozen and beverage foods?
- i) What is tensile strength and puncture resistance?
- j) What include shelf life studies?

SECTION-B

2. Write composition of glass and its ingredient properties.
3. a) Differentiate injection and blow molding.
b) Write a note on laminates.
4. What is packaging design and its purpose?
5. Which tests are used to check the transport adequacy of CFB containing bread packets, oil bottles and confectionery unit packs?
6. How we check the tensile and puncture strengths for CFB boxes. Write their significance.

SECTION-C

7. Write about printing and barcoding usages in food packaging and labelling. How these systems are helpful in food handling, sale and distribution? (10)
8. a) Differentiate between biodegradable and non-bio-degradable plastics. (2)
b) Write about disposable packaging wastes. (4)
c) Elaborate different types of cans and their uses. (4)
9. a) Write about packaging design requirement for thermally processed foods. (3)
b) Indicate how we check the compatibility of packaging material for any food. Write the compatibility requirements for oil and dehydrated foods. (4)
c) Write a note on active and intelligent packaging system. (3)

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.