



# MANIPAL INSTITUTE OF TECHNOLOGY

MANIPAL

(A constituent unit of MAHE, Manipal)

VII SEMESTER B.TECH. (MEDIA TECHNOLOGY)

**END SEMESTER EXAMINATIONS, NOV 2022**

**SUBJECT: PACKAGING APPLICATIONS [MED 4054]**

**REVISED CREDIT SYSTEM**

Time: 3 Hours

MAX. MARKS: 50

**Instructions to Candidates:**

- ❖ Answer **all the** questions.
- ❖ Missing data may be suitable assumed.

<i>Qn no:</i>	<i>Question</i>	<i>M</i>	<i>CO</i>	<i>BTL</i>
1	Discuss various materials used for packaging of fertilizers.	3	5	2
2	A tablet manufacturer requires a packaging machine to pack tablets in a blister which can be seen from outside. With neat diagram, explain the process and parts of machine used for this purpose of pharmaceutical packaging.	3	4	4
3	Discuss 8 recent trends in food packaging.	4	1	3
4	What are the various types of packaging materials used for cosmetic packaging? Explain.	3	2	
5	Explain the 3 methods of preserving food by using heat.	3	1	2
6	Explain the factors to be considered for cosmetic products and containers used for its packaging?	4	2	3
7	What are the 5 types of hazardous materials? Discuss. Explain the factors to be considered during the labelling of such materials.	3	5	2
8	Discuss the 5 attributes of food quality.	3	1	1
9	With neat sketches, discuss 8 types of packages used in pharmaceutical packaging.	4	4	3
10	With neat diagram, explain the 2 types of aerosols and its working.	3	4	2
11	Discuss the 3 sterilization processes used for packaging materials.	3	1	3
12	With neat sketches, discuss various closures used in cosmetic packaging.	4	2	2

13	What are 5 factors to be considered for the selection of packaging material for pesticides? Discuss.	3	3	2
14	Discuss the 3 types of equipment used for modified atmospheric packaging using neat sketches.	3	1	2
15	Discuss 8 ways of drying food products in order to preserve them.	4	1	1