

**BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(MID SEMESTER EXAMINATION)**

**CLASS: BTECH
BRANCH: CHEM & CHEM P&P**

**SEMESTER: VII
SESSION: MO/2022**

SUBJECT: CL425 PLASTIC PACKAGING TECHNOLOGY

TIME: 2 HOURS

FULL MARKS: 25

INSTRUCTIONS:

1. The total marks of the questions are 25.
 2. Candidates attempt for all 25 marks.
 3. Before attempting the question paper, be sure that you have got the correct question paper.
 4. The missing data, if any, may be assumed suitably.
 5. Tables/Data handbook/Graph paper etc. to be supplied to the candidates in the examination hall.
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| Q1 (a) Outline the benefits of packaging. | [2] | CO1 | BL1 |
| Q1 (b) Classify the different types of protective packaging. | [3] | CO1 | BL3 |
| Q2 (a) Describe the role of packaging color as a selling power in the design of package. | [2] | CO1 | BL1 |
| Q2 (b) Discuss the factors to be considered for the effective design of package. | [3] | CO4 | BL2 |
| Q3 Discuss the raw materials used for the making of metal can. | [5] | CO3 | BL2 |
| Q4 Outline the attributes of food packaging in glass container. | [5] | CO3 | BL2 |
| Q5 (a) List the reasons for plastics being widely used for packaging materials? | [2] | CO1 | BL1 |
| Q5 (b) Discuss the various uses of plastics in packaging. | [3] | CO3 | BL2 |

::: 26/09/2022 :::M