

Roll No.

23212

**M. Tech. 1st Semester
(Print & Graphic Communication)
Examination – January, 2012**

PRINTING & PACKAGING MATERIALS

Paper : PTL-712

Time : Three Hours]

[Maximum Marks : 100

Before answering the question, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note : Attempt any five questions selecting at least one question from each Unit. All questions carry equal marks.

UNIT – I

1. Write a detail note on the types of films used in Print & Packaging ? 20

2. Explain the electroplating mechanism for gravure cylinder with the help of diagram in detail ? 20

UNIT – II

3. Describe the suitability and properties of LDPE, BOPP and HDPE ? 20
4. Write a detail note on manufacturing processes of polyolifins ? 20

UNIT – III

5. Write note on : 20
(a) Puncture Resistance Test
(b) Ash Content Test
6. Explain any five print related test in detail ? 20

UNIT – IV

7. Explain troubleshooting for links and substrates with minimum ten points for each ? 20
8. Explain the types of Ink used in printing and Packaging and its basic constituents ? 20