

3Roll No.

23217

**M. Tech. 2nd Semester (Print & Graphic
Communication) Examination –
January, 2012**

**ADVANCED PRINTING MACHINES AND
PROCESSES**

Paper : PTL - 721

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 complain in this regard, will be entertained after examination.

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

UNIT – I

1. Write a detailed note on Hi-Fi printing and its advantages and disadvantages. Mention the importance of hybrid systems in printing industries.
2. List down at least 20 trouble shooting factors in sheet fed and web fed offset presses and discusses them in detail.

UNIT - II

3. Discuss the various press functions in detail. Also mention the process of dot generation in gravure process.
4. Discuss the application of digital printing in packaging industries. Also mention the variables in plating.

UNIT - III

5. What is the role and importance of doctor blade in gravure ? Also mention different factors that affect functioning of the doctor blade.
6. List down the different quality control factors observed in gravure industries. Also mention continuous inking system.

UNIT - IV

7. Discuss in detail anilox roller, its role and importance in flexo printing. Also discuss the process of mounting systems in flexo.
8. Write a detailed note on care and maintenance of press facilities.