



B.E / B Tech. (Full Time) DEGREE END SEMESTER EXAMINATIONS, NOV/DEC 2011  
 PRINTING TECHNOLOGY BRANCH  
 FOURTH SEMESTER – (REGULATIONS 2008)  
**PT 9252 – FLEXO GRAPHIC PRINTING**

Time: 3 hrs

Max Marks:100

Instructions:

1. Answer all questions.
2. All questions carry equal marks.

**Part – A (10 × 2 = 20 Marks)**

1. What are the advantages of flexo press?
2. What is the application of design rolls in flexo press?
3. Classify the types of flexo press based on press frame design?
4. Write the parts of web press in flexo printing.
5. What are the advantages of ceramic coated anilox rolls?
6. What is the importance of pitch diameter in flexo press?
7. How flexo plate thickness is measured?
8. What is use of web guides in flexo printing?
9. What is static and dynamic imbalance?
10. What are coextruded films?

**Part – B (5 × 16 = 80 Marks)**

11. Explain with suitable diagram how common impression press works and write its advantages when compared with other presses.
- 12.(a) Explain with suitable steps & diagram how liquid photopolymer plates are produced.  
 (or)  
 (b) Discuss the importance of anilox rolls selection with respect to different jobs.
- 13.(a) Explain the procedures to be followed while mounting the flexo plates in the press. Discuss in detail  
 (or)  
 (b) Explain with suitable diagram the types of tension control devices used in flexopress to prevent web tension.
- 14.(a) Explain the process of surface treatment for poly substrates before printing in detail.  
 (or)  
 (b) Discuss the parts of unwind unit of the flexo press in detail.
- 15 (a). Explain with suitable diagram the importance of die cutting and sheeting process in flexo press .  
 (or)  
 (b) Discuss the methods of maintenance to be carried out in the flexo press.