



B.E / B Tech. (Full Time) DEGREE ARREAR EXAMINATIONS, NOV/DEC 2012  
PRINTING TECHNOLOGY BRANCH  
FOURTH SEMESTER – (REGULATIONS 2008)  
**PT 9252 – FLEXOGRAPHIC 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 units of flexo presses?
2. What are the advantages of digital plates in flexo printing?
3. How the viscosities of flexo inks are measured?
4. What is the application of narrow web flexo presses?
5. What are the types of imbalances occur in flexo plate mounting?
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 waterbased inks?
10. What are drying systems are used in flexopresses?

**Part – B (5 × 16 = 80 Marks)**

11. Explain with suitable diagram the types of plate mounting techniques in flexoprinting.
- 12.(a) Explain with suitable steps how liquid photopolymer plates are produced.  
(or)  
(b) Discuss the importance of anilox rolls selection with respect to different jobs.
- 13.(a) Briefly discuss the type of inks used in flexo printing , and their constitutions, properties, and drying mechanisms 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 methods of maintenance to be carried out in the flexo press.
- 15 (a) What are the procedures to be followed to check the quality at the press side in detail.  
(or)  
(b) Explain with suitable diagram the importance of rotary die cutting and sheeting process in flexo press in detail.