



B.E. / B.Tech. (Full - Time) ARREAR SEMESTER EXAMINATION, APR/ MAY 2012

PRINTING TECHNOLOGY BRANCH

FOURTH SEMESTER

PT282 FLEXOGRAPHIC PRINTING

(REGULATIONS 2004)

Time : 3 hrs

Max Mark:100

ANSWER ALL QUESTIONS

Part – A (10 x 2 = 20 Marks)

1. What are the basic characteristics of flexography?
2. Write a short note on inks used in flexography.
3. How the exposure standardised in flexography image carrier?
4. Write down the need for etchant in moulded rubber plate?
5. Why we need impression roller?
6. Define: web tension.
7. List down the pros and cons of pre-curved plates
8. Justify the need of releasing agent.
9. Do you recommend preventive maintenance?
10. Write the importance of quality?

Part – B (5 x 16 = 80 Marks)

11. a. Explain how the flexo plates are prepared and mounted in detail support the answer with diagram.
12. a. Describe the concept and step by step procedure of preparing moulded rubber plate preparation in detail.
or
b. Explain the concept and step by step procedure of preparing liquid photo polymer plate in detail.
13. a. Using a relevant schematic diagram explain the flexo press types and their salient features elaborately
or
b. Explain the following.
i). Rotary Die cutting (4) ii). Unwind equipment (4) iii). Inking system (8).
14. a. Write elaborately different plates used in flexography in detail with neat diagram.
or
b. Explain the proofing procedure and pre press make ready in detail.
15. a. Discuss the various Quality control procedure used in press along with wastage reduction procedure in detail.
or
b. Explain the maintenance procedure of the flexography machine and proofing machines in detail.