

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

PRINTING TECHNOLOGY BRANCH

SIXTH SEMESTER

PT381 WEB OFFSET TECHNOLOGY

(REGULATIONS 2004)

Time : 3 hrs

Max Mark:100

ANSWER ALL QUESTIONS

Part – A (10 x 2 = 20 Marks)

1. What is Bustle wheel?
2. Why we need web pre-conditioner?
3. What do you mean keyless inking
4. Write down the need for cylinder timing?
5. List down the maintenance procedure for dryer
6. How the chiller cylinders should be housed?
7. Where the nip rollers are positioned
8. List down the various operation in an inline finishing unit?
9. What is inserting?p
10. How the copy storage system used in mailroom operation?

Part – B (5 x 16 = 80 Marks)

11. a. Explain the types of drier and their construction and working in detail using a clear diagram.
12. a. Define: Splicing. Explain any one type of splicer with the step by step schematic diagram.

or

- b. Discuss the various factors affecting the web tension and their control in detail and draw a fisher bone diagram.
13. a. Elaborate the automatic register control system concepts and design use necessary diagram.

or

- b. With neat schematic diagram explain the types of dampening system in detail.
14. a. Write elaborately the types of folders and their working principle with clear diagram

or

- b. Explain the following.
 - i).RTF (4)
 - ii. Turner bars (4)
 - iii. Perforators (4)
 - iv . Baywindows (4)
15. a Discuss the causes and remedies for any six web related printing problems.

or

- b. Write a short note on the following.
 - i).counter stackers (4)
 - ii. Bundle addressing (4)
 - iii. Single /double/quadruple production (8)