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B.E. / B.Tech. (Full Time) ARREAR SEMESTER EXAMINATIONS, NOV / DEC 2011

PRINTING TECHNOLOGY BRANCH

SIXTH SEMESTER

PT381 – WEB OFFSET TECHNOLOGY

(REGULATIONS 2004)

24

Time : 3 hrs

Max Mark:100

ANSWER ALL QUESTIONS

Part – A (10 x 2 = 20 Mark)

1. What is bay window?
2. Compare the characteristics of automatic paster.
3. Define : Printing Couple
4. How the cylinder timings set?
5. Write the function of chilling unit?
6. List down few needs for dryer?
7. Define: RTF.
8. Mention few features of web pre-conditioner.
9. Why we need pagination?
10. Where the telescopic conveyors are used?

Part – B (5 x 16 = 80 Mark)

11. Explain elaborately the various mail room equipments used in the web offset presses.
12. a. Explain the various factors influencing the web tension control

or

- b. i. Write the significance of paper roll used for web printing (8)
- ii. Discuss the different types of dancer roller with its special features. (8)

13. a. Discuss the significant features of different register control system used in web presses.

or

- b. Write a short note on the following: (4 x 4 = 16)

- i. Jigs ii. Ink agitators' iii. Web aligner iv. Roll stands

14. a. With a clear schematic diagram explain the various units and parts of a web press.

or

- b. i. Write elaborately the types and working of dryers with its advantages. (10)
- ii. Discuss how the chilling unit evolved along with its merits and demerits. (6)

15. a. Explain the types and product of folding unit with a neat diagram.

or

- b. Discuss any eight-printing problems that are very specific to the web offset presses.