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B.E / B.Tech (Full- Time) DEGREE END SEMESTER EXAMINATIONS, APRIL / MAY 2014
PRINTING TECHNOLOGY BRANCH
FOURTH SEMESTER
PT9254 OFFSET PLATEMAKING
(REGULATIONS 2004 / 2008)

Time: 3 Hours

Answer ALL Questions

Max. Marks 100

PART-A (10 x 2 = 20 Marks)

1. What is work and turn?
2. Name twelve page folding techniques.
3. Why do we need paper template?
4. Which layout material do you recommend for colour brochure?
5. List down features of image metals.
6. What is desensitization?
7. Define: RIP.
8. What do you mean by hybrid plates?
9. Differentiate between slur and doubling.
10. Write the formulae for dot gain.

Part - B (5 x 16 = 80 marks)

11. Explain the working principle of printing down frame and automatic developer used in plate making department.
12. a) Explain the preparation and uses of various types of burnout mask in detail.

OR

b) Discuss step by step procedure for preparing the negative flats using any two methods in detail.
13. a) Using a neat diagram explain the steps involved in wipe on plate preparation.

OR

b) Explain the various steps involved in manufacturing of offset plate that is ready to coat with light sensitive material.
14. a) Write a short note on following
i. Plates for digital imaging (8) ii. CTP workflow (8)

OR

b) Describe the working principle of various types of CTP system in detail with diagram
15. a) Discuss the salient feature and purpose of UGRA plate control wedge.

OR

b) What is dot gain? Discuss the different variables that affect the dot gain and how to control it.