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B.E / B.Tech. (Full Time) DEGREE END SEMESTER EXAMINATIONS, APR/MAY 2014

PRINTING TECHNOLOGY

III Semester

PT385 Digital Printing Technology

(Regulations 2004)

Time: 3 Hours

Answer ALL Questions

Max. Marks 100

Part – A (10 x 2 = 20 Mark)

1. Define Bit Depth.
2. List the types of flatbed scanners.
3. What are the advantages of PDF?
4. How is CIP3 used in printing industries?
5. What is a profile?
6. What is soft proofing?
7. What is a virtual drum imagesetter?
8. What are the advantages of CTP?
9. What is laser ablation process?
10. Give four examples for digital presses.

Part – B (5 x 16 = 80 Mark)

11. With neat diagram, explain the working principle of drum scanner.
12. a. Explain in detail about the various image file formats, their characteristics and applications.

(or)

b. Write in detail about the steps in digital printproduction workflow.
13. a. Explain in detail about the need for colour management and the types of rendering intents?

(or)

b. With neat diagram, explain in detail about any two proofing methods.
14. a. Explain the working principle of external drum platesetter with diagram.

(or)

b. Explain the working principle of internal drum imagesetter with diagram.
15. a. Explain the principle and configuration of a direct imaging press with re-imageable masters.

(or)

b. i) Compare digital printing with re-imageable and once imageable masters.
ii) Explain in detail about the quality, make-ready and cost aspects of digital printing.