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B.E. (Full Time) DEGREE END SEMESTER EXAMINATIONS, APRIL / MAY 2013

PRINTING TECHNOLOGY BRANCH

SEMESTER - (REGULATIONS 2004)

PT 385 Digital Printing Technology

Time: 3 hrs

Max. Mark: 100

Answer ALL Questions

Part – A (10 x 2 = 20 Mark)

①

1. Explain digitization of an image.
2. List out the factors on which the sampling resolution depends upon.
3. Explain the principles of CCD.
4. What is meant by gamut mapping?
5. What is virtual drum?
6. Explain electronic stripping?
7. List the advantages of CTP over conventional plate making.
8. Explain FM screening.
9. Explain briefly about file server.
10. Differentiate between vector and bitmapped graphics

Part –B (5 x 16 = 80 Mark)

11. Discuss why proofing is needed in digital printing. Explain in detail any one of the digital proofing system.
12. (a) What are the basic elements of scanner? Explain any one the image capturing element with neat diagram.
(or)
(b) Explain the procedure for the calibration of scanner and monitor.
13. (a) Explain the internal drum imagesetter with diagram and mention its advantages.
(or)
(b) Explain a flatbed platesetter with a neat diagram and explain its merits and demerits.
14. (a) What is meant by pre-flighting and explain in detail? Explain what is meant by trapping and how to avoid them?
(or)
(b) What do you understand by compression of a file? What are the different techniques available for compression and explain any two of them?
15. (a) What are the digital colour printing presses? With a neat diagram explain any one of them.
(or)
(b) Write short notes on: (i). Plate setter light sources (ii). Direct image (iii). XML (iv). PDF