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

PRINTING TECHNOLOGY

III Semester

PT 9202 Imaging Technology

(Regulation 2008)

Time: 3 Hours

Answer ALL Questions

Max. Marks 100

7

PART-A (10 x 2 = 20 Marks)

1. Define x-height and ascender.
2. List the types of fonts.
3. What are the advantages of violet laser diodes?
4. Why is anti-halation backing used in a film?
5. What is pin cushion distortion?
6. What are the advantages of holographic deflectors?
7. Define: Dynamic range.
8. Compare between JPEG and TIFF file format.
9. What is a virtual drum imagesetter?
10. Differentiate between AM and FM screening.

Part – B (5 x 16 = 80 marks)

11. Write short notes on i) Copy markup ii) Casting off iii) Copy editing iv) House style
12. a. Discuss in detail about any three laser sources? Write about the factors influencing selection of laser.
(OR)
b. Explain detail about direct laser modulation and acousto-optic modulation.
13. a. What are the variants in development? explain in detail.
(OR)
b. Discuss in detail about line reproduction and halftone reproduction.
14. a. With neat diagram, explain the working of drum scanners.
(OR)
b. Discuss in detail about principle of digital cameras and their types.
15. a. Explain in detail about the principle of different types of inkjet printers.
(OR)
b. With neat diagram, explain the principle of internal and external drum imagesetters.