

B.E.(Full-Time) DEGREE END SEMESTER EXAMINATION, APRIL / MAY 2014
PRINTING TECHNOLOGY BRANCH
III SEMESTER – (REGULATIONS 2004/2008)

PT 272 / PT 9202 – IMAGING TECHNOLOGY

Duration: 3 hours

Max. Marks: 100

Answer ALL Questions

PART A

(10 X 2 = 20 marks)

1. Explain printers' measurement system.
2. What is copy markup?
3. Why the facet in a polygon is in elliptical shape?
4. Explain the principle of AO modulator.
5. Explain the principle densitometer.
6. Mention different types of films.
7. Explain the term resolution.
8. Explain dynamic range.
9. What is virtual drum?
10. Explain AM screening.

PART B

(5 X 16 = 80 marks)

11. A manuscript contain 7,54,834 words. This is to be set with font size of 13 points with 2 point line spacing for a line length of 37 picas and page depth of 68 picas. Find the total number of pages. Find the number of pages if the point size is changed to 12/13points.
12. (a) Explain the meaning of 16 proof reader's marks giving their textual and marginal marks.
(or)
(b) Explain the principle of laser. List three laser sources and compare them.
13. (a) What is density? Explain all the variants in film development..
(or)
(b) Explain in detail the various lens aberrations.
14. (a) Explain the working of a flat bed scanner with diagrams.
(or)
(b) Explain the various file formats.
15. (a) Explain an external drum imagesetter with diagrams and mention its advantages.
(or)
(b) Explain in detail with diagram the continuous and drop on demand inkjet printing.