

B.E (Full-Time) DEGREE END SEMESTER EXAMINATION, NOV / DEC 2011
PRINTING TECHNOLOGY BRANCH
III SEMESTER – (REGULATIONS 2008)

36

PT9202 – IMAGING TECHNOLOGY

Duration: 3 hours

Max. Marks: 100

Answer ALL Questions

PART A

(10 X 2 = 20 marks)

1. Explain the printer's measurement system.
2. What is copy markup?
3. List out the typographic parameters.
4. Explain the principle of AO modulator.
5. Explain the principle photomultiplier tube.
6. Mention different types of films.
7. What is a virtual drum?
8. Explain the term resolution.
9. Explain FM screening.
10. Mention different technologies used in inkjet printing?

PART B

(5 X 16 = 80 marks)

11. A manuscript contain 6,76,321 words. A book is to be set with fount size of 14 points with 2 point line spacing for a line length of 35 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 13/14 points.
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 different the variants in film development.
(or)
(b) Explain in detail the various lens aberrations.
14. (a) Explain the theory and steps involved in halftone reproduction.
(or)
(b) Explain the working of a flat bed scanner with diagrams.
15. (a) Explain an internal drum imagesetter with diagrams and mention its advantages.
(or)
(b) Explain in detail with diagram the continuous and drop-on demand inkjet printing.