Roll No. | | | | | | | | | | 1A |

B.E. (Full-Time) DEGREE END SEMESTER EXAMINATION, APRIL / MAY 2012
PRINTING TECHNOLOGY BRANCH
III SEMESTER – (REGULATIONS 2008)

PT9202 – IMAGING TECHNOLOGY

Duration: 3 hours **Max. Marks: 100**

Answer ALL Questions

PART A
(10 X 2 = 20 marks)

1. Explain Type measurement system.
2. What is copy markup?
3. List the typographic parameters.
4. What is "x" height?
5. Explain the principle AO modulator.
6. Mention different types of films.
7. Explain the principle of densitometer.
8. What is a virtual drum?
9. Explain FM screening.
10. Mention different technologies used in inkjet printing?

PART B
(5 X 16 = 80 marks)

11. A manuscript contain 5,34,987 words. This is to be set with fount size of 13 points with 2 point line spacing for a line length of 40 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 11/12points.

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) Explain the theory and steps involved in halftone reproduction.

(or)

(b) Explain in detail the various lens aberrations.

14. (a) Explain the working of a flat-bed scanner with diagram.

(or)

(b) Explain an internal drum imagesetter with diagrams and mention its advantages.

15. (a) What is RIP? What are factors that determine the performance of a RIP depends and explain each.

(or)

(b) Explain in detail with diagram the continuous and drop on demand inkjet printing.