

B.E. (Full Time) DEGREE END SEMESTER EXAMINATIONS, NOV / DEC 2012

PRINTING TECHNOLOGY BRANCH  
VI SEMESTER - (REGULATIONS 2004)  
**PT 385 Digital Printing Technology**

Time: 3 hr

Max. Mark: 100

Answer ALL Questions

**Part – A (10 x 2 = 20 Mark)**

- 1.Name the types of scanners used for image acquisition.
- 2.Define dynamic range.
- 3.What scan resolution is suitable for print production?
- 4.What is RIP?
- 5.What is the need for PDF?
- 6.What is CIE colour system?
- 7.Name different types of screening techniques available.
- 8.Explain the difference between the dye and toner.
- 9.How a thermal plate is imaged?
- 10.What is an image setter?

**Part –B (5 x 16 = 80 Mark)**

- 11.Explain the principle and mechanism of any one type of scanner.
- 12.a.What are the different types of file formats commonly used types and images. Explain.  
Or  
b.Explain commonly used data compression techniques used for image processing.
- 13.a.Explain different types of data storage devices available.  
Or  
b.Explain the need for Colour management system.
- 14.a.Explain the principles involved in ink jet proofing devices.  
Or  
b.Explain the working principle of any one system employing, direct imaging with reimageable master.
- 15.a.Explain working principle of Flat bed platesetter.  
Or  
b.Explain the characteristic features of various lasers used for imaging the plates.