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B.E. (Full Time) DEGREE END SEMESTER EXAMINATIONS, NOV 2011

35

PRINTING TECHNOLOGY BRANCH

VII SEMESTER - (REGULATIONS 2004)

PT 504 Quality Control in Printing

Time: 3 hr.

Max. Mark: 100

Answer ALL Questions

Part – A (10 x 2 = 20 Mark)

1. What is the purpose of polarization filter?
2. The L a b values of a Proof is 59.4, -56.7, 49.3 whereas the Print is 60.2, -56.8, 62.9 respectively. Find the colour deviation.
3. The quality of print is decisively important for an organization. Why?
4. Define Print contrast.
5. What informations should a Job specification provide?
6. What is variation and tolerance?
7. What should be the input scan resolution of an image to be printed at 150 lpi. Why?
8. Write down the standard SID values for different process colour / substrate combination.
9. What is Milestone planning?
10. Define Optical density.

Part –B (5 x 16 = 80 Mark)

11. Define quality control. Explain the criteria for reproduction quality of printed products.
12. a. I. What does the ISO Standard for Newspaper printing bring? 8.
II. Explain the various parameters and standards. 8.
Or
b. Write in detail about the parameters and measurement methods as per ISO 12647-1.
13. a. Describe the important performance requirements and physical properties of Paper and Ink.
Or
b. Describe the various elements of a Test form used for quality acceptance in a printing machine.
14. a. Explain the basic framework of ISO 9000 series and briefly describe the entire series.
Or
b. Describe the method of conducting a test in a machine for improving the quality of the process.
15. Explain the working principle and the purpose of the following instruments.
a. I. Spectrometer, II. p.H. Meter, III. Viscometer.
Or
b. I. Conductivity meter, II. Densitometer, III. Cylinder packing gauge.