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

DEPARTMENT OF PRINTING TECHNOLOGY

Semester VII

PT9029 SECURITY PRINTING

(Regulation 2008)

Time : 3 Hours

Answer ALL Questions

Max. Marks 100

PART-A (10 x 2 = 20 Marks)

1. What paper is used for making bank note and state why?
2. What is a watermark?
3. List some of the bar-coding systems.
4. Write about MICR and its usage.
5. What is an intelligent electronic form?
6. What is a computer form?
7. What is an anigram?
8. What chemical is used in the manufacture of holograms?
9. List the constituents of monochromic inks.
10. How curing takes place in UV inks?

Part – B (5 x 16 = 80 marks)

11. List the different types of inks used for security printing and explain them.
12. a) Explain in detail the manufacturing of bank notes.
OR
b) Explain in detail the various security features incorporated in currency printing.
13. a) i) Design a cheque with security features and explain the features in detail. (8)
ii) Explain bar-coding and discuss in detail the various types of bar-coding systems. (8)
OR
b) Explain various numbering systems with their advantages and disadvantages.
14. a) i) Explain in detail the characteristics of paper used in computer forms. (8)
ii) Briefly explain the construction and specification of computer forms. (8)
OR
b) Explain in detail about the various types of computer forms.
15. a) i) Detail about the manufacturing process of holograms with neat sketch. (8)
ii) Brief about the various types of holograms. (8)
OR
b) Explain in detail the manufacturing of credit cards and its security features.