B.E / B.Tech DEGREE END SEMESTER EXAMINATIONS, APR / MAY 2014

DEPARTMENT OF PRINTING TECHNOLOGY

Semester VIII

PT9029 - SECURITY PRINTING

(Regulation 2008)

Time: 3 Hours   Answer ALL Questions   Max. Marks 100

PART-A (10 x 2 = 20 Marks)

1. What is an anti-photocopying mark?

2. What is a see-through image? What printing method is used to print a see-through image?

3. What is a QR code?

4. What are the two types of MICR fonts?

5. What is a computer form?

6. What are the types of security features in computer forms?

7. What are the features of credit cards?

8. Draw the schematic diagram of Fourier hologram.

9. What is a solvent sensitive ink?

10. What is fugitive ink?

Part – B (5 x 16 = 80 marks)

11. Explain in detail about the security features of Indian currency notes.

12. a) Explain in detail about the methods used to incorporate security thread in currency paper.

    (OR)

    b) What are the methods used to find the accuracy of barcodes? Explain about them in detail.

13. a) Explain in detail about computer forms.

    (OR)

    b) Explain in detail about the design features of bank cheque.

14. a) What is an in-line hologram? Explain with proper derivations.

    (OR)

    b) Explain in detail about the design and security features of credit cards.

15. a) Explain in detail about thermo-chromic inks

    (OR)

    b) Explain in detail about invisible inks.