

**B.E. (Full Time) DEGREE END SEMESTER EXAMINATIONS, APRIL / MAY 2013**  
**PRINTING TECHNOLOGY BRANCH**  
**FIFTH SEMESTER**  
**PT 9304 PRINT FINISHING**  
**(REGULATIONS 2008)**

12

Time: 3 hr

Max Mark: 100

Answer ALL Questions  
**Part – A (10 x 2 = 20 Mark)**

1. Differentiate section and signature?
2. What is meant by 'Eyelets'?
3. List out the steps to be taken care to ensure perfect cutting?
4. What are the materials used for the manufacture of knife used in cutting machine?
5. What is meant by 'Lump folding'?
6. How is symmetrical right angled fold different from asymmetrical right angled fold?
7. Differentiate between side wire stitched and saddle wire stitched book.
8. Mention the different ways by which the gathered sections are visually checked for proper order?
9. List out the purpose of end papers in book binding?
10. What is known as 'embossing'?

**Part – B (5 x 16 = 80 Mark)**

11. What is foil stamping? Discuss on the different layers of the foil used for foil stamping and also explain the factors used to control the quality of blocking in foil stamping.
12. (a) List out the different types of adhesives and briefly explain the preparation procedure of at least three of its kind. Specify the adhesives used in print finishing and state its reason.  
 (or)  
 (b) (i) Discuss about the materials used in binding and explain the tests to be carried to maintain quality (10)  
 (ii) State the preparation and treatment of covers used for book binding (6)
13. (a) (i) What is a Jogger? With diagram, explain its working procedure. (8)  
 (ii) With neat sketches, explain the various problems that occur during cutting and also state its remedial measures. (any four) (8)  
 (or)  
 (b) Explain in detail the parts of a cutting machine and also discuss about the knife movement mechanism of a cutting machine with neat diagram.
14. (a) With neat sketches, explain the working principle of different types of folding machines used for sheet folding and state its uses. List out the types of delivery used in these machines and discuss any two of them in detail.  
 (or)  
 (b) (i) Explain with neat diagram, the types of parallel folds used for folding printed products. (8)  
 (ii) Write notes on fold glueing and perforators (8)
15. (a) (i) Discuss on the parts of a gathering machine and with sketches briefly explain the different types of feeders used in gathering machine? (12)  
 (ii) List out the points to be observed during the process of gathering. (4)  
 (or)  
 (b) (i) With diagram, explain the working procedure of a thread sewing machine (10)  
 (ii) Explain mechanical and loose leaf binding with three examples each. (6)