

B.E. (Full Time) DEGREE END SEMESTER EXAMINATIONS, APRIL/MAY 2014
PRINTING TECHNOLOGY BRANCH
FIFTH SEMESTER
PT372/PT 9304 – PRINT FINISHING
(REGULATIONS 2004/2008)

Time: 3 hr

Max Mark: 100

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

1. What is meant by 'Eyelets'?
2. Draw the flow chart for 'Manufacturing process – General'.
3. Differentiate between dip shear and oblique motion of knife in cutting machine?
4. List out the materials used for the manufacture of knife used in cutting machine?
5. Draw the folding diagram for K...4/ 1T/2L/3LH
6. What is the need for bundling and pressing aid attachments in folding machine?
7. What are the types of securing methods adopted in book binding and list out the materials used for it?
8. What is known as collating mark and signature?
9. What is the need of using a lining material during binding operation?
10. Define 'Network analysis'?

Part – B (5 x 16 = 80 Mark)

11. (i) List out and explain the materials used in print finishing (6)
 (ii) Name the different types of adhesives and briefly explain the manufacturing procedure of the adhesives used in print finishing. (10)
 12. (a) (i) With neat diagram, explain the configuration of a jogging machine and its working procedure. (8)
 (ii) With diagram, explain the problems that occur during cutting and state its remedial action (at least four) (8)
- (or)**
- (b) Define the principle of single knife guillotine machine. With neat diagram, explain the parts of a guillotine machine and discuss about clamp and knife mechanism.
13. (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) What are the types of feeders used in folding machine, and explain them with neat diagrams? State its advantages and disadvantages. (10)
 (ii) Explain with neat diagram, the types of parallel folds used for folding printed products. (6)
 14. (a) (i) With diagram, explain the operation of a wire stitching machine (10)
 (ii) Explain mechanical and loose leaf binding with three examples each. (6)
- (or)**
- (b) With neat sketches, explain the different types of feeder system used in gathering machines and also list out the points that are to be observed during the process of gathering.
 15. (a) What is foil stamping? Discuss on the different layers of the foil used for foil stamping and also explain on the factors used to control the quality of blocking in foil stamping.
 (or)
 (b) (i) Write notes on 'index cutting'? (4)
 (ii) What is lamination? With sketches explain the types of lamination (12)