

B.E. (Full Time) DEGREE END SEMESTER EXAMINATIONS, NOV / DEC 2011
PRINTING TECHNOLOGY BRANCH
FIFTH SEMESTER
PT 372 PRINT FINISHING
(REGULATIONS 2004)

44

Time: 3 hr

Max Mark: 100

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

1. Draw the flow chart for 'Planning of a product'.
2. Differentiate section and signature?
3. List out the rules to be followed during cutting operation?
4. What are the various motions of a cutting knife?
5. How does vertical pile feeder different from round pile feeder used in folding machine?
6. What is known as Quire folding?
7. Which is better, whether side or saddle stitching?
8. What is known as collating mark and signature?
9. What is the need of using a lining material during binding operation?
10. What is known as '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) 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.
(or)
(b) (i) What is a Jogger? With diagram, explain its working procedure. (8)
(ii) List out the different types of sensors. Discuss the working procedure of sensors used in cutting machines and explain the need for it. (8)
13. (a) What is folding? Explain with diagram, the different types of folding machine used for folding sheet and discuss their advantages and disadvantages.
(or)
(b) With neat diagram, briefly explain the types of feeding and delivery systems used in the folding machine.
14. (a) With neat diagram, explain the working procedure of a thread sewing machine and also list out the feeders used in thread sewing machine.
(or)
(b) (i) Explain the working procedure of a wire stitching machine with diagram. (8)
(ii) Explain the different types of feeders used in gathering machine and list out their merits and demerits (8)
15. (a) (i) Explain the various edge treatment operations carried out in book binding (8)
(ii) What is lamination? With sketches explain the types of lamination (8)
(or)
(b) (i) Explain the different layers of the blocking foil used in gold foiling and discuss on the factors used to control the quality of blocking in gold foiling. (10)
(ii) List out the purposes of 'end papers'? (6)