B. Tech.

(SEM. VI) EXAMINATION, 2006-07

TEXTILE PRINTING

Time : 3 Hours] [Total Marks : 100

Note : Attempt all questions. All questions carry equal marks.

1. Answer any four :
   (a) State the difference between acid and enzymatic designing. Explain designing process of cotton using acid.
   (b) State the functioning of shearing and chepping. Highlight the importance of fabric singeing.
   (c) What is scouring? Explain the mechanism of scouring. Explain the mechanisms used for scouring of cotton fabric.
   (d) State the advantages of Hydrogen Peroxide over hypochlorite bleaching. Explain their applications.
   (e) Explain the working of J Box and vapourloc machine.

2. Answer any four :
   (a) State the important ingredient in direct, pigment and discharge processing. Explain their function.
   (b) Discuss briefly the important properties of print parts.
(c) Explain the properties of various thickening and adhesives used in printing.
(d) Explain briefly the methods of printing followed in the industry.
(e) Explain the vapour transfer printing followed for printing polyester fabric

3. Answer any two:
   (a) What is wet transfer printing? Explain briefly
   (b) Explain briefly the various styles of printing and their advantages.
   (c) Highlight the important properties of dyer used in pigment and reactive colour used for printing.

4. Answer any two:
   (a) Explain briefly the printing of cotton fabric using reacting colour using screen printing technique.
   (b) What is resist style of printing? Explain the style.
   (c) Discuss the flock printing style.

5. Answer any two:
   (a) What is colour discharge? Explain method of application and selection right colouring for colour discharge.
   (b) Discuss the various after treatment given to printed material for fixation.
   (c) Explain the advantages of developments in screen printing.