Wet processing - Printing and Finishing

Date: 26.12.2015  Marks: 100  Time: 2 pm to 5 pm

Instructions:
1. Attempt six questions out of which Q1 is compulsory
2. Answer each next question on new page
3. Figure to the right indicate full marks
4. Illustrate your answers with sketches and flow chart wherever necessary
5. Use of non programmable electronic pocket calculator permissible
6. Mobile and any other communication devices are not allowed in exam hall.
7. Assume suitable data wherever necessary

Q1 Match the following questions by choosing correct option (compulsory question) 20 marks

a. Hydrogen peroxide  1. Silk finishing  2
b. Sublimation  2. Wool  2
c. Nylon cloth  3. Transfer printing  2
d. Scrooping  4. Screen printing  2
e. Milling  5. Bleaching  2
f. Delustering  6. Aroma  2
g. Stenter  7. Resist style  2
h. Tie & Die  8. Dimensional Stablity  2
i. DMDHEU  9. Rayon fabrics  2
j. Jasmine  10. Wrinkle-free treatment  2

Q2 Explain different styles of printing and list-out its advantages and disadvantages. 16 marks

Q3 What is screen printing? Explain the process of screen making. 16 marks

Q4 With a neat diagram explain roller printing process. 16 marks

Q5 List the quality control parameters for printing process. 16 marks

Q6 What are the basic objectives of finishing process? List the mechanical and chemical finishes applied for cotton fabrics. 16 marks

Q7 Discuss in detail about calendaring finish and different machines used for the same. 16 marks
Q8  How do you impart water-repellency finish to cotton fabric? Explain the process in detail. What are its effect on different fabric properties?