

**Third Semester
Textile Technology
Scheme July 2008
WET. PROCESSING (305)**

Time : Three Hours

Maximum Marks : 100

Note : i) Attempt total six questions. Question No. 1 is compulsory.
From the remaining questions attempt any five.

ii) Draw sketch wherever necessary.

1. Choose the correct answer:

2 each

i) Oxidative treatment is also known as

- (a) Desizing (b) Scouring
(c) Bleaching (d) None of the above

ii) Quality of mercerisation can be tested by

- (a) Copper number
(b) Barium activity number
(c) Silver number
(d) Fluidity

iii) The dye with very good washing fastness property for cotton shirting is

- (a) Direct dye (b) Vat dye
(c) Disperse dye (d) Sulphur dye

iv) Pigments (natural colouring matter) present in cotton are in the proportion (percentage) is

- (a) 1.2 (b) 0.9
(c) 2.0 (d) 3.5

- v) Carrier is used mainly in the dyeing of
- (a) Cotton fabric in Indigisol colour
 - (b) Cotton fabric in Basic colour
 - (c) Polyester fabric in Disperse colour
 - (d) Cotton fabric in Vat colour
2. a) What is the meaning of printing? Name various types of printing process. 4
- b) Sketch and explain the working of Roller Printing Machine and name the various parts. 14
3. a) Discuss the function of singeing process. What are the different processes of singeing? Explain gas singeing process with sketch. 12
- b) Write short notes on common defects in Bleaching and Dyeing. 6
4. a) What are the various impurities present in grey cotton fabric? Describe various stages of process involved in converting grey fabric into fully finished cloth. 12
- b) Sketch and label 'J Box' rope bleaching and explain in brief its function. 6
5. a) What are the various classes of Dyes used for dyeing Textile fabrics. 4
- b) Describe the application of Direct colours on cotton fabric with after treatment process. 14
6. a) Explain what is mercerising process. How you will measure quality of mercerisation. 6
- b) Describe with sketch the working of yarn mercerisation process used for cotton yarn. 12
7. What is the purpose of finishing? Explain in brief different important permanent finishes applied to cotton fabrics. 18

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8. Write short notes on any three of the following: 6 each
- a) Object of Desizing and various process of Desizing.
 - b) Screen printing machine and its function.
 - c) Fibre dyeing process with sketch.
 - d) Scouring in open Kier boiling with sketch.
 - e) Azoic dyes and its application in cotton.
 - f) Object of Bleaching and different bleaching process.

