

B.TECH. DEGREE EXAMINATIONS: NOVEMBER 2009

Fifth Semester

TEXTILE TECHNOLOGY (FASHION TECHNOLOGY)

U07FT503: Textile Wet Processing

Time: Three Hours

Maximum Marks: 100

Answer ALL the Questions:-

PART A (10 × 1 = 10 Marks)

1. _____ are the only natural thickeners found suitable for printing with reactive dyes
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A. Alginate B. Binder SLN C. Tomato thickener D. Acramine
2. _____ the most economical and fastest way of printing
A. Transfer Printing B. Chest Printing C. Block Printing D. Roller Printing
3. Direct dyes are mainly applied to cellulose fibres
A. Cellulose fibres B. Polyamide fibres C. Manmade fibres D. jute fibres
4. Pigments are insoluble in water
A. Water B. Solvents C. Oil D. binders
5. Hot plate singeing is suitable for
A. Front filling finishing process C. Both finishing process
B. back filling finishing process D. Pile filling finishing process
6. The pH range for sodium chloride bleaching is between
A. 6-8 B. 8-10 C. 10-11 D. 5.5
7. Vat dye + Hydros =
A. leuco-vat dye C. leuco-vat dye + leuco-hydros dye
B. leuco-hydros dye D. vat-hydros dye
8. The fabric is to be in dry condition only during
A. Dyeing B. Printing C. Scouring D. Bleaching.
9. 2 Naphthylamine is
A. Thickening agent B. Banned amine C. Synthetic size D. Disperse dye
10. Which substance can you use to replace phenol to avoid the use of toxic chemicals
in the print paste preparation?
A. Thiourea dioxide C. Hicoleveller BJD
B. Thiourea oxide D. Di-ethylene glycol.

PART A (10 x 1 = 10 Marks)

11. State the objects of singeing.
12. What are the advantages of enzyme desizing?
13. Write any four properties of direct dyes.
14. Write any four properties of vat dyes.
15. Differentiate between dyeing and printing.
16. What are the disadvantages of pigment printing?
17. Difference between discharge and resist printing.
18. What is khadi printing?
19. What are the demerits of computer colour matching?
20. What are the importances of Eco-friendly processing?

PART C (5 x 14 = 70 Marks)

- 21 (a) Explain in detail Roller singeing machine with suitable diagram.
(OR)
(b) Describe the major parts and working of a tensionless mercerising machine.
- 22 (a) Explain in detail the process of dyeing a cotton fabric with vat dye.
(OR)
(b) Discuss in detail the factors affecting the results of reactive dyeing.
- 23 (a) Describe briefly printing of cotton fabric with pigment printing.
(OR)
(b) Describe in detail resist style of printing.
- 24 (a) Describe the parts and working of a chest printing machine.
(OR)
(b) Describe the working of a rotary printing machine.
- 25 (a) Describe briefly banned chemicals and safe alternative chemicals.
(OR)
(b) Discuss in detail Eco labels.
