

B.TECH. DEGREE EXAMINATIONS: NOVEMBER 2009

Second Semester

TEXTILE TECHNOLOGY

U07TT201: Fundamentals of Textiles and Apparels

Time: Three hours

Maximum Marks: 100

Answer ALL the Questions:-

PART A (10 x 1 = 10 Marks)

1. Which of the following is regenerated protein fiber
a) Ramie b) Soya bean c) asbestos d) Acetate
2. Which of the following is the best variety of silk?
a) Muga b) Mulberry c) Eri d) Tussar
3. Tex of the 100 s English count is equivalent to
a) 5.9 b) 6.9 c) 4.9 d) 8.9
4. Which of the following yarn is more uniform?
a) Ring yarn b) compact yarn c) OE yarn d) Friction yarn
5. Which of the following is home textile?
a) Shirt b) Suiting c) Frock d) Bed Linen.
6. Which of the following loom gives higher productivity?
a) auto loom b) rapier c) air jet d) projectile loom
7. Singeing of the fabric is done to improve
a) Weight b) elongation c) strength d) yarn surface
8. Excellent wash fastness in fabric is achieved by using
a) Acid dye b) vat dye c) sulphur dye d) direct dye
9. Largest producer of jute fiber in the world is
a) America b) Pakistan c) Israel d) India
10. Which of the following is the export promotion council
a) SIMA b) SITRA c) AEPC d) ISTE

PART B (10 x 2 = 20 Marks)

11. Differentiate hydrophilic and hydrophobic fibers.
12. Give two important properties of wool.
13. Why nylon yarn is used for making fishing net?

14. What are the objectives of carding process?
15. State the important properties of knitted fabric.
16. What are the properties required for making Home Textile?
17. What are the objectives of scouring and desizing?
18. What are the chemicals used for flame retardant finishing?
19. Give two largest silk producing countries in the world.
20. Mention briefly the export potential of Indian Textile Industry.

PART C (5 x 14 = 70 Marks)

21. (a) i) Give the essential and desirable properties of fibres. (8)
ii) Discuss the global fiber production. (6)

(OR)
- (b) i) Discuss the end uses of any two functional fibres. (6)
ii) Give the identification of fibres by physical method. (8)
22. (a) i) Give the sequence of process in Ring spinning and explain briefly the objectives of each process. (8)
ii) Indirect & Direct system of yarn numbering. (6)

(OR)
- (b) i) Give the classification of yarns. (6)
ii) Explain the characteristics of spun yarn. (8)
23. (a) i) Explain the differences between Woven & Knitted fabric. (6)
ii) What are quality requirements of fabrics for Apparels and Technical application? (8)

(OR)
- (b) i) Discuss 3D fabrics and Braided structure. (6)
ii) Explain the sequence of Woven Fabric formation and their objectives. (8)
24. (a) i) Explain any four types of Wet processing. (8)
ii) Give an account on garment care and care labeling. (6)

(OR)

- (b) i) Discuss the sequence of process in Garment making. (8)
ii) Discuss the applications of Interlining fabrics. (6)

25. (a) i) Explain the problems faced by Indian textile Industry. (8)
ii) Explain Organized and decentralized sectors. (6)

(OR)

- (8)
(6) (b) i) What are the different export promotion councils? Explain briefly the functions of these councils. (8)
ii) Give an account of Indian Textile Industry. (6)

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