

**B.Sc. DEGREE EXAMINATION, NOVEMBER 2008****Garment Production & Chemical Processing****QUALITY ASSURANCE IN TEXTILE PROCESSING AND APPAREL**

Duration : 3 Hours

Maximum : 60 marks

**Part - A**

(6 x 5 = 30)

Answer ALL questions.

1. a. State the role and importance of fibre characteristics on yarn quality.  
(OR)  
b. Briefly write the effect of moisture relations and its measurements on the fibre.
2. a. Define yarn twist and also write the importance of twist on the yarn.  
(OR)  
b. Explain the working principle of lea strength tester.
3. a. Discuss on identification of dyes on cellulosic fibre, protein fibre and synthetic fibres.  
(OR)  
b. How to evaluate / determine air permeability and water permeability testing of fabrics.
4. a. Write a brief note on dimensional stability of fabrics.  
(OR)  
b. Discuss on 'Quality control in desizing, scouring, bleaching process'.

5. a. How to determine the efficiency of water proofing and flame proofing finishes?  
(OR)
- b. How to determine the efficiency of wetting agent and dispersing agents?
6. a. Account on different types of colour matching system.  
(OR)
- b. Write the advantages of computer colour matching system and its limitations.

**Part - B**

**( 3 x 10 = 30)**

Answer ALL questions

7. a. Explain in detail the need for quality control in textile and apparel industries.  
(OR)
- b. Discuss in “ Yarn evenness and hairiness and its effects on fabric quality”.
8. a. Explain in detail the process of crease resistance and crease recovery of fabrics.  
(OR)
- b. Account on “ Absorbency tests by Drop Test method and Wicks method”.
9. a. Explain in detail the determination of colour fastness to washing, rubbing, perspiration and hot pressing of fabrics.  
(OR)
- b. Explain in detail the working principle of computer colour matching system.

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