

SECTION-C

Note: Long answer type questions. Attempt any three questions. 3x10=30

- Q.3 Give a note on aim and scope of textile chemical testing.
- Q.4 Explain in detail principle, construction and working of laundrometer.
- Q.5 Give a detailed account for any method for light fastness testing.
- Q.6 How quantitative analysis of following blends are done.
- a) Polyester cotton (PC)
 - b) Acrylic wool.
- Q.7 How analysis of fresh water is done. Explain in detail.

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4th Sem. / Text. Chem / Text Proc

Subject : Textile Chemical Testing

Time : 3 Hrs.

M.M. : 100

SECTION-A

Note: Very Short Answer type questions. Attempt any 15 parts. (15x2=30)

- Q.1 a) What is textile chemical testing.
- b) What is blend analysis.
 - c) Define scouring.
 - d) What is sublimation.
 - e) Define Mercerising.
 - f) What is axial ratio.
 - g) What are effluents in water.
 - h) Name two chemicals used in bleaching.
 - i) What is perspirometer.

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122645

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122645

- j) Which test is used for assessment of bleaching.
- k) What are grey scales.
- l) What is hard water.
- m) Instruments used for rubbing fastness is _____.
- n) What are fat contents in textile.
- o) Types of rubbing fastness.
- p) What are international standards.
- q) Name instruments used for light fastness testing.
- r) What do you understand by chemical degradation of cotton.

SECTION-B

Note: Short answer type questions. Attempt any ten parts 10x4=40

- Q.2 i) What is importance of textile chemical testing?

(2)

122645

- ii) How will you determine blend percentage of polyester / cotton fabric?
- iii) What is methylene blue test.
- iv) What is fastness to washing?
- v) How rubbing fastness is carried out?
- vi) Discuss damages tests for salts.
- vii) How quantitative estimation of bleaching powder is carried out?
- viii) What are different types of grey scales.
- ix) Explain working of exposure rack.
- x) How wax content in textile is determined?
- xi) How copper number test is done? Explain.
- xii) What is fastness to sea water.
- xiii) How cuprommonium fluidity test is done?
- xiv) Give any test for assessment of mercerisation process.
- xv) How sublimation fastness is done? Briefly describe.

(3)

122645