

SECTION-C

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

- Q.3 What is the importance of determining blend percentage of a textile material? How will you determine quantitative analysis of (i) P/v (ii) Acrylic Wool.
- Q.4 Describe in detail various tests for assessing. The efficiency of mercerisation process on cotton in detail.
- Q.5 Explain the process for quantitative estimation of following chemicals.
- i) Sodium hydrochlorite
 - ii) Hydrochloric acid
- Q.6 How will you determine washing fastners of a textile material using Laundrometer? Explain in detail.
- Q.7 Discuss on various chemical damages on textile material during preparatory process. Briefly describe copper number test with technical specification.

(100)

(4)

122645

No. of Printed Pages : 4

Roll No.

122645

4th Sem. / Text Proc. / Text Chem.

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) Define Viscosity.
- b) What is Acru wool?
- c) What are salt linkage in wool?
- d) Define Axial Ratio.
- e) What is colour Fastners.
- f) What is blend.
- g) Bleaching agents used for cotton are _____, _____.
- h) Purpose of copper number test.
- i) What are Grey scales?

(1)

122645

- j) What is effluent?
- k) Name instrument used for light fastness testing.
- l) _____ is used for rubbing fastness.
- m) Define Hardness of water.
- n) What is oxycellulose?
- o) Write the range for light fastness ratings.
- p) Define sublimation.
- q) Write the safe limit for Barium Activity Number for mercerised goods.
- r) What is mercerisation?

SECTION-B

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

- Q.2
- i) What is aim of Textile Chemical Testing.
 - ii) How will you determine blend percentage in a P/C fabric.

(2)

122645

- iii) What are types of grey scale. Give its rating.
- iv) Write parameters to rate effluent.
- v) What is fastness to hot pressing.
- vi) Discuss different types of hardness of water.
- vii) Write the process for quantitative estimation of bleaching powder.
- viii) How exposure rack is used to find light fastness.
- ix) What are international standards?
- x) What are different types of rubbing fastness.
- xi) Discuss the importance of colour fastness tests.
- xii) How will you determine fast content in a textile material.
- xiii) What is Critical dissolution time test.
- xiv) What are damage tests for salt & crystalline linkage in wool.
- xv) Give the process to estimate any alkali.

(3)

122645