

SECTION-C

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

- Q.3 What are textile softeners? What are essential requirement be an effective softeners. Discuss Cationic Softeners in detail.
- Q.4 Describe the standard procedure for determination of washing. fastness of dyed and printed material.
- Q.5 Discuss principle and method for estimation hydrogen peroxide.
- Q.6 What are different ingredients used in the textile printing, discuss them with function of each?
- Q.7 How will you check the efficiency of bleaching and mercerization? Describe their principles and norms.

No. of Printed Pages : 4

Roll No.

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5th Sem. / Textile Chemistry

Subject : Textile Auxillaries & 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) Silicones are used as _____.
- b) The most important oxidizing bleaching agents are _____.
- c) What are resins?
- d) Polyester dissolves in _____.
- e) What is the chemical name of Rongalite C?
- f) Instrument for rubbing fastness is known as _____.
- g) Name the instrument used for light fastness testing.
- h) Cotton dissolve in _____ % of _____ acid.
- i) Wash fastness is rated in scale from _____ to _____.

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- j) What is EDTA?
- k) Which enzyme is used as peroxide killer?
- l) How can you determine the P/C blend percentage?
- m) Soap is commonly used as _____ agent.
- n) Name two different classes of fire retardants.
- o) What is copper number?
- p) Tinopal B is a _____ agent.
- q) What is the function of dispersing agent?
- r) Sandofix is a _____ agent.

SECTION-B

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

- Q.2
- i) Why cationic dye fixing agents are used in dyeing of cellulose with direct dyes, name two?
 - ii) Why wetting agents are used in textile wet processing?
 - iii) What are peroxide killers and why they are used?

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- iv) What is methylene blue absorption test and what is its significance?
- v) What is gray scale and what is its significance?
- vi) What is the role of stiffing agents in finishing?
- vii) Mention the conditions for ISO test No. 3 for washing fastness.
- viii) What is the significance of cuprammonium fluidity test?
- ix) Why oxidizing agents and reducing agents are used in printing?
- x) How the effects of mercerization are evaluated?
- xi) Explain textile softeners.
- xii) What are optical brighteners?
- xiii) Mention different kinds of water repellent finishes.
- xiv) What are the factors on which degradation of cotton undergone during scouring can be accessed?
- xv) What are anti foaming agents? Give examples.

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