

- xiii) How the rubbing fastness of printed material is evaluated ?
- xiv) Why the test for sublimation is carried out?
- xv) What is boiling water shrinkage ?

SECTION-C

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

- Q.3 Discuss the various process control parameters is singeing, scouring in jigger.
- Q.4 Describe the process for evaluating fastness to light starting from sample preparation.
- Q.5 Discuss the parameters in dyeing in HTHP/beam dyeing machine.
- Q.6 Explain the various control parameters in stenter.
- Q.7 Describe the process control parameters in actual printing and steaming.

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Roll No.

6th Sem. / Textile Processing

Subject : Process & Quality Control in Textile Wet Processing

Time : 3 Hrs. M.M. : 100

SECTION-A

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

- Q.1 a) Stains/mildew should be checked during process control inbefore
- b) The grey width should be checked before.....
- c) Metal detection should be checked during.....and
- d) Method of checking reediness is.....
- e) Overall shearing efficiency should be%
- f) Flame height during singeing should beas per quality norm.
- g) Gradation for excelled desizing efficiency%

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- h) Desizing efficiency is checked afterand it is around.....
- i) Percentage wet pick up during desizing be%
- j) Concentration of chemicals in the scouring in jiggar is checked by method of
- k) Temperature control during scouring in kier is done by.....
- l) pH during peroxide bleaching is checked with the help of
- m) Ash content is checked forsample
- n) Proper circulation of liquor in jiggar is regulated by
- o) $\text{Na}_2\text{O}/\text{SiO}_2$ ratio for sodium silicate is maintained by
- p) Wet pick up for caustic soda should beand maintained by
- q) If percentage wet pick up is not proper necessary action is to be taken.
- r) Efficiency is singeing should be.....

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SECTION-B

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

- Q.2
- i) Mention the various gradation for desizing.
 - ii) Give the parameter for process control during shearing and cropping.
 - iii) Mention the after treatments after dyeing in jiggar.
 - iv) Write down the functions of a modern process control laboratory.
 - v) Mention the recommended norms for water proof/water repellency.
 - vi) Give the parameters of actual printing.
 - vii) How ash content of a sample is determined?
 - viii) Why gray scales are used?
 - ix) How staining is evaluated ?
 - x) How a wax content is evaluated ?
 - xi) Mention the quality control measure to be adopted for temporary finish and resin finish.
 - xii) What is cupra-amonium fluidity ?

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