

Scheme - I

Sample Question Paper

Program Name : Diploma in Textile Technology

Program Code : TC

Semester : Sixth

Course Title : Quality Control in Textiles

Max. Marks : 70

22674

Time: 3 Hrs.

Instructions:

- (1) All questions are compulsory.
- (2) Illustrate your answers with neat sketches wherever necessary.
- (3) Figures to the right indicate full marks.
- (4) Assume suitable data if necessary.
- (5) Preferably, write the answers in sequential order.

Q.1 Attempt any FIVE of the following.

(10 Marks)

- a. List the chemical reagent required for estimation of hydrogen peroxide.
- b. Name the dyestuff performance test for dyes before application of dye on fibre.
- c. State the role of free formaldehyde contains method.
- d. Name the test method which should be performed before selection of thickener.
- e. List the quality control test used for scouring and bleaching.
- f. Define the term "fastness"
- g. Define "crease recovery angle".

Q.2 Attempt any Three of the following.

(12 Marks)

- a. Explain the process to determine migration of dye.
- b. Describe method to determine free formaldehyde contain.
- c. State the procedure to find axial ratio with their norms
- d. Describe procedure to find dry and wet rubbing fastness.

Q.3) Attempt any Three of the following.

(12 Marks)

- a. Describe method to evaluate stability of synthetic binder.
- b. Describe method of testing ash contain.
- c. Describe the procedure to find sublimation fastness of polyester fabric.
- d. Use crease recovery angle method to test finish fabric.

Q.4) Attempt any Three of the following.

(12 Marks)

- a. Describe role of blank and back titration in estimation of sodium hydroxide.
- b. Explain moisture contain and ash contain test for thickener.
- c. Describe method for evaluation of efficiency of desizing.
- d. Explain the principal of colour fastness testing
- e. Describe procedure to find soil release efficiency.

Q.5) Attempt any Two of the following.

(12 Marks)

- a. Suppose migration test is carried out for vat dyed sample. Comment the migration ratting with respected to temperature.
- b. Suggest method to find efficiency of scouring and give the norms.
- c. Use ISO 3 method to test washing fastness of cotton fabric.

Q.6) Attempt any Two of the following.

(12 Marks)

- a. Suggest any two thickeners for polyester and cotton with their moisture contain.
- b. Suggest method to find efficiency of bleaching and give the norms.
- c. Suggest method to evaluate efficiency of flame retardant finishing.

Scheme - I
Sample Test Paper - I

Program Name : Diploma in Textile Technology
Program Code : TC
Semester : Sixth
Course Title : Quality Control in Textiles
Max. Marks : 20

22674

Time: 1 Hour

Instructions:

- (1) All questions are compulsory.
- (2) Illustrate your answers with neat sketches wherever necessary.
- (3) Figures to the right indicate full marks.
- (4) Assume suitable data if necessary.
- (5) Preferably, write the answers in sequential order.

Q.1 Attempt any FOUR.

(08 Marks)

- a. List the chemical reagent required for estimation of hydrogen peroxide.
- b. Name the reagent required for percentage purity of sodium hydroxide.
- c. List the reagent required for stripping of reactive dye.
- d. State the norms for axial ratio.
- e. State the formula for percentage weight loss.
- f. State the norms for carboxylic group contain.

Q.2 Attempt any THREE.

(12 Marks)

- g. Explain the estimation of sodium hydroxide by idometric titration.
- h. Describe method to determine critical temperature of dyes.
- i. Describe procedure to find perspiration fastness.
- j. Suggest parameter to select 1st and 2nd fabric for washing fastness.
- k. Suggest method to evaluate efficiency of bleaching.

Scheme - I
Sample Test Paper - II

Program Name : Diploma in Textile Technology
Program Code : TC
Semester : Sixth
Course Title : Quality Control in Textiles
Max. Marks : 20

22674

Time: 1 Hour

Instructions:

- (1) All questions are compulsory.
- (2) Illustrate your answers with neat sketches wherever necessary.
- (3) Figures to the right indicate full marks.
- (4) Assume suitable data if necessary.
- (5) Preferably, write the answers in sequential order.

Q.1 Attempt any FOUR.

(08 Marks)

- a. State the role of free formaldehyde contains method.
- b. Name the test method which should be performed before selection of thickener.
- c. Define fastness property.
- d. List the method used to find fastness
- e. State the norms for DP ratting.
- f. State LOI of cotton and wool.

Q.2 Attempt any THREE.

(12 Marks)

- a. Correlate effect of thickener viscosity on printing quality.
- b. Explain effect of remaining free formaldehyde on fabric
- c. Describe procedure to find crease recovery angle.
- d. Explain method to find Iodine absorption value.
- e. Use crease recovery angle method to test finish fabric.