

Scheme - I

Sample Question Paper

Program Name : Diploma in Textile Technology

Program Code : TC

Semester : Sixth

Course Title : Advanced Textile Processing

Max. Marks : 70

22673

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. Define the term Bio-catalyst
- b. List the type of fibres used for manufacturing terry towels.
- c. Draw the process flow chart for terry towel manufacturing process.
- d. State the name of machines used for knit fabric processing.
- e. Write the trade names of low salt reactive dyes
- f. Write model names of two modern rotary printing machines.
- g. Describe the terminology 'E control'

Q.2 Attempt any Three of the following.

(12 Marks)

- a. Describe mode of enzyme action on textile substrates.
- b. Suggest suitable method for desizing of cotton by using enzyme.
- c. Explain the effect of weave structure on absorbency of terry towels.
- d. Explain fabric inspection process for terry towels.

Q.3) Attempt any Three of the following.

(12 Marks)

- a Explain the mechanism of scouring by enzyme action.
- b. Suggest the method for bleaching of textiles by using enzyme.
- c. Suggest the precautions needed while dyeing of terry towels.
- d. Elaborate the process sequence for processing of knitted fabrics in tubular form.

Q.4) Attempt any Three of the following.

(12 Marks)

- a. Explain mechanism of enzyme action while bleaching of textiles.
- b. Describe the process for printing of knitted fabrics (in relevance with the machineries used for printing)
- c. Explain compacting process of knitted fabrics.
- d. Explain application method of solublised vat dyes.
- e. Justify the use of auto dosing in continuous dyeing system.

Q.5) Attempt any Two of the following.

(12 Marks)

- a. Choose the relevant method for pretreatments of cotton fabric by considering environment constraints.
- b. Justify the use of non sulphide reducing agents in eco-friendly sulphur dyeing.
- c. Illustrate modifications done in low liquor dyeing machines with suitable sketches.

Q.6) Attempt any Two of the following.

(12 Marks)

- a. Select any one natural dye for dyeing of cotton in yellow shade.
- b. Explain concept of digital printing by DOD (drop on demand) method.
- c. Elaborate selvedge locking system in modern stenters.

Scheme - I

Sample Test Paper - I

Program Name : Diploma in Textile Technology
Program Code : TC
Semester : Sixth
Course Title : Advanced Textile Processing
Max. Marks : 20

22673

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.

(8 Marks)

- a) Give classification of enzymes.
- b) Name the enzymes used chemical processing of textiles.
- c) state four end uses of terry towels
- d) Write fabric particulars for construction of terry towel fabric.
- e) Draw the process flow chart for processing of knitted fabrics
- f) Name the finishing treatments carried out for terry towels

Q.2 Attempt any THREE.

(12 Marks)

- a) Explain the mechanism of enzyme action in scouring process.
- b) Explain advantages and limitations of enzyme based chemical processing.
- c) Describe dyeing process of terry towel with reactive dyes.
- d) Explain softening treatment on terry towels and state its importance.

Scheme - I
Sample Test Paper - II

Program Name : Diploma in Textile Technology
Program Code : TC
Semester : Sixth
Course Title : Advanced Textile Processing
Max. Marks : 20

22673

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.

(8 Marks)

- a) Name four new generation dyes.
- b) State role of compactor in knit fabric processing.
- c) State advantages of digital printing systems
- d) List the type of finishes given to knitted fabrics
- e) State advantage of auto dosing systems
- f) Name four non sulphide reducing agents.

Q.2 Attempt any THREE.

(12 Marks)

- a) Elaborate application procedure for dyeing of cotton with bi-functional reactive dyes.
- b) Explain advantages of low liquor system in CDR.
- c) Describe pinning system in modern stenters.
- d) With process flow chart explain working of digital printing systems.