

Scheme – I
Sample Question Paper

Program Name : Diploma in Textile Technology

Program Code : TC

Semester : Fourth

Course Title : Printing of Natural Substrates

Max. Marks : 70

22459

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 object of printing
- b. List the methods of printing.
- c. List the names of machines used for printing.
- d. Write the names of types of squeezes used in rotary printing.
- e. List the printing paste ingredients.
- f. Write two advantages of pigment printing.
- g. List the classes of dyes used for silk printing.

Q.2 Attempt any Three of the following.

12 Marks

- a. differentiate between dyeing and printing based on the method of application.
- b. explain the concept of discharge printing.
- c. describe process of table screen printing with outline sketch.
- d. distinguish between working of loop ager and flash ager.

Q.3) Attempt any Three of the following.

12 Marks

- a. Explain the criteria for selection of thickener for cotton printing.
- b. Explain the process for batik printing.
- c. Explain the effect of temperature of curing on quality of pigment printing.
- d. Describe the procedure to produce print by using metal complex dyes by direct style of printing

Q.4) Attempt any Three of the following.

12 Marks

- a. explain the purpose of steaming process in printing.
- b. summarize the method for producing white discharge effect on reactive dyed fabric
- c. justify the statement 'azoic colours are called as ice colours'
- d. describe pigment printing process on cotton.
- e. write advantages and limitations of basic dyes in wool printing.

Q.5) Attempt any Two of the following.

12 Marks

- a. Choose the relevant method for pretreatment of cotton fabric to be used for printing.
- b. Select relevant process for producing white resist on vat dyed fabric.
- c. Justify the statement 'rotary printing is not suitable for print containing saree borders'

Q.6) Attempt any Two of the following.

12 Marks

- a. Select the relevant printing machinery and repeat size for producing prints containing floral motifs.
- b. Choose the process parameters for fixation of prints on loop ager
- c. Choose the relevant paste formulation for producing 'Khadi' prints on cotton fabric

Scheme – I
Sample Test Paper - I

Program Name : Diploma in Textile Technology
Program Code : TC
Semester : Fourth
Course Title : Printing of Natural Substrates
Max. Marks : 20

22459

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) Define the role of thickener in printing
- b) List the printing paste ingredients.
- c) Write names of four reducing agents used in printing.
- d) Sketch the outline diagram of squeeze system in rotary printing.
- e) List the styles of printing.
- f) Write names of two traditional printing techniques.

Q.2 Attempt any THREE.

12 Marks

- a) Explain the objective of steaming in printing.
- b) Explain the role of reducing agent in discharge printing.
- c) With outline diagram explain working of flat bed printing machine.
- d) Describe the process for screen preparation in table printing.

Scheme - I
Sample Test Paper - II

Program Name : Diploma in Textile Technology
Program Code : TC
Semester : Fourth
Course Title : Printing of Natural Substrates
Max. Marks : 20

22459

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 binder in pigment printing.
- b) State the object of curing process in pigment printing.
- c) List the names of four humectants/solvents used in printing
- d) List the printing paste ingredients.
- e) Write the names of dyes used for silk printing.
- f) List the names of print paste ingredients for wool printing.

Q.2 Attempt any THREE.

12 Marks

- a) Select relevant process sequence for producing coloured discharge on direct dyed cotton fabric.
- b) Explain the process for producing print using azoic colours by direct style of printing.
- c) Describe the process for pigment printing.
- d) Explain the method for producing print by direct style on wool fabric by using acid dyes.