



# 17567

11819

3 Hours / 100 Marks

Seat No.

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- Instructions :**
- (1) *All questions are compulsory.*
  - (2) *Answer each next main question on a new page.*
  - (3) *Illustrate your answers with neat sketches wherever necessary.*
  - (4) *Figures to the right indicate full marks.*
  - (5) *Assume suitable data, if necessary.*
  - (6) *Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.*

**Marks**

1. Attempt any ten :

20

- a) Define “Quality” and “Quality Control”.
- b) Define the term “Process”.
- c) State the object of process in textile processing.
- d) State the importance of quality assurance.
- e) Define “Singeing” and “Desizing”.
- f) State the object of “Scouring” and “Bleaching”.
- g) List out different dyeing machines.
- h) List out different printing machines.
- i) State or name different types of finishing machineries.
- j) State any two uses of Stenter m/c.
- k) Name various testing methods in pre-treatment for quality.
- l) List out various testing methods in dyeing and printing for quality.
- m) Define “Crease Recovery Angle”.
- n) State the existing norms for testing washing fastness.

2. Attempt any four :

16

- a) Explain the necessity of process control.
- b) State different process control parameters in Singeing and Desizing.
- c) State and explain process control parameters for jigger dyeing m/c.
- d) State the production norms of continuous dyeing m/c.
- e) State and explain process control parameters for Flat bed screen printing.
- f) What is sanforising ? State the process control parameter for sanforising.

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3. Attempt **any four** : 16
- a) State existing quality norms for testing whiteness and copper number.
  - b) Explain a method of testing Rubbing fastness of dyed fabric.
  - c) How will you test sublimation of a coloured fabric ?
  - d) What is meant by Iodine absorption ? Explain its testing method.
  - e) What are the norms for testing quality of finished cloths ?
  - f) Explain the problems and remedies in Flat bed screen printing.
4. Attempt **any four** : 16
- a) What are calenders ? State process control parameters of any one calender machine.
  - b) State and explain problems and remedies in calender finishing.
  - c) State and explain process control parameters for Rotary screen printing m/c.
  - d) What is meant by bending length ? How it is tested ?
  - e) Explain a method of testing crease recovery angle.
  - f) Give a method of testing “Fluidity” in pre-treatment for quality.
5. Attempt **any four** : 16
- a) Explain in detail the approach towards process control.
  - b) What are the process control parameters in mercerization ?
  - c) State and explain process control parameters in scouring and bleaching.
  - d) What is RFT ? State the measures to achieve RFT dyeing.
  - e) State and explain problems and its remedies in reactive dyeing of cotton.
  - f) State the production norms and problems in rotary screen printing machine.
6. Attempt **any four** : 16
- a) State the norms and check-points of processing in bleaching department.
  - b) State the production norms of finishing like calendering, sanforising and drying.
  - c) Give a method of testing Ash content.
  - d) What is “Axial Ratio” ? Explain its method of testing.
  - e) Explain in detail a method for testing light fastness.
  - f) Give the structure and functions of quality assurance department.
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