

22367

11819

3 Hours / 70 Marks

Seat No.

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- Instructions :**
- (1) All Questions are *compulsory*.
  - (2) Attempt **6** questions including Question No. 1 which is compulsory.
  - (3) Illustrate your answers with neat sketches wherever necessary.
  - (4) Figures to the right indicate full marks.
  - (5) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

**Marks**

**1. Attempt any FIVE :**

**10**

- (a) State the purpose of grey inspection in textile processing.
- (b) Draw a neat labelled sketch of winch machine.
- (c) Write two advantages and two disadvantages of direct dyes.
- (d) State four properties of disperse dyes.
- (e) Describe the object of printing process.
- (f) Enlist names of mechanical finishing machineries for Textile fabrics.
- (g) Draw neat labelled sketch of calendering machine.

**2. Attempt any THREE :**

**12**

- (a) Describe Gas singeing process with neat outline sketch.
- (b) Describe the heat setting treatment for 100% polyester fabric.
- (c) Explain the procedure of dyeing Nylon with acid dyes.
- (d) Explain the mechanism of Resin finishing.

- 3. Attempt any THREE :** **12**
- (a) Explain the procedure for bleaching of cotton fabric with Hydrogen Peroxide.
  - (b) Explain the working principle of continuous bleaching range with sketch.
  - (c) Describe the dyeing procedures for Acrylic fabric with disperse dyes.
  - (d) Explain the pigment printing process for given fabric.
- 4. Attempt any THREE :** **12**
- (a) Compare any four points between acid desizing and enzyme desizing.
  - (b) Classify Dyes used in Textile processing.
  - (c) Explain the process sequence for dyeing of poly/cotton blended fabric.
  - (d) Explain the styles of printing for textile fabrics based on their application procedure.
  - (e) Describe printing of cotton fabric with reactive dyes.
- 5. Attempt any TWO :** **12**
- (a) Write the application procedure of vat dyes on cotton fabric by dyeing.
  - (b) Compare Flat bed printing with Rotary printing based on working of machine and production.
  - (c) Explain the importance of LOI and it's relation with thermal behaviour of textiles.
- 6. Attempt any TWO :** **12**
- (a) Justify H.T.H.P. method for dyeing of polyester is preferred in industry than other methods.
  - (b) Explain the applications of stenter machine with suitable diagram. Write it's advantages and limitations.
  - (c) Classify softeners with their properties for textile fibres.
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