

17691

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) Use of Non-programmable Electronic Pocket Calculator is permissible.

Marks

1. Attempt any FIVE of the following :

20

- (a) What are the key variables for process control in weaving ?
- (b) State the scope of process control in warping.
- (c) List down various measures to control sized beam quality.
- (d) Sketch different heald wires and reeds. Give their function.
- (e) State the importance of temperature and relative humidity in loom shed.
- (f) Explain the 4-points system for fabric grading.
- (g) Enlist care to be taken while preparing cone package for conc. dyeing.
- (h) Discuss the method to check the end breakages rate in loom shed.

2. Attempt any TWO of the following :

16

- (a) State the concept of “machine audit” and give its importance.
- (b) State the various factors which affecting end breaks in warping.

- (c) Explain the significance of temperature and relative humidity of sizing on process parameters.
- 3. Attempt any TWO of the following : 16**
- (a) How the norms are set while exercising process control in weaving ?
 - (b) Enlist various parameters which affects the quality of warping beam and give the method to improve beam quality.
 - (c) State the factors affecting size pick-up percentage.
- 4. Attempt any TWO of the following : 16**
- (a) Explain the importance of stretch control at each zones of sizing.
 - (b) Explain the types of drop-ring with neat sketch and give its uses.
 - (c) Discuss in detail the factors affecting loom shed efficiency.
- 5. Attempt any TWO of the following : 16**
- (a) (i) Explain selection criteria for reeds and healds.
(ii) State various cores to be taken while dressing and knotting.
 - (b) Discuss the snap study method to control loom shed efficiency.
 - (c) Enlist the various type of common defects in fabric and write their causes and remedies.
- 6. Attempt any TWO of the following : 16**
- (a) State the various factors which affecting end breaks rate at loom shed.
 - (b) Describe 10 points system of fabric inspection.
 - (c) Explain the details of manufacturing the voile fabrics.
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