

# 17691

16117

**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 FIVE of the following:** **20**
- a) State the concept of machine audit and give it's importance.
- b) How to set the norms and schedule of checks ?
- c) Explain the methodology of direct control.
- d) What are key variables for process control ?
- e) What is scope and approach for controlling process of sizing ?
- f) Explain the significance of temperature and relative humidity of sizing on process parameters.
2. **Attempt any TWO of the following:** **16**
- a) State various factors which affecting end breaks in warping.
- b) Enlist various parameters which decides the quality of warping beams and state the method to improve them.
- c) Explain the method of determination of size pick-up in a weavers beam.

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- 3. Attempt any TWO of the following: 16**
- a) Discuss the importance weaver's beam faults which render the beam un satisfactory for weaving.
  - b) How to improve the quality of pirns.
  - c) Enlist and draw various the types of drop pins and state the suitable looms according to its design.
- 4. Attempt any TWO of the following: 16**
- a) Discuss various factors which affecting end breaks rate at loom shed.
  - b) Discuss the snap study method to control loom shed efficiency.
  - c) Define, operative efficiency, process efficiency, service factor and derive the relation.  
$$P = NEX$$
- 5. Attempt any TWO of the following: 16**
- a) Enlist types of common defects in fabric and write its causes and remedies.
  - b) Explain how will you select shuttle and reed for loom shed department.
  - c) Explain in detail a grey fabric inspection and it's importance.
- 6. Attempt any TWO of the following: 16**
- a) Explain the processing sequence for weaving voile fabric.
  - b) Explain how will you prepare a package for dyeing.
  - c) Explain in brief various factors affecting loom shed efficiency
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