

314358

24225

03 Hours / 70 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.
 - (7) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

Marks

1. **Attempt any FIVE of the following:** **10**
- a) Suggest the name of shedding mechanism for weaving a fabric having design repeat on 12 picks.
 - b) State the limitations of tappet shedding mechanism
 - c) Define positive dobby.
 - d) Enlist the limitations of dobby shedding mechanism
 - e) Give the classification of jacquard shedding mechanism
 - f) Explain the objects of drop-box mechanism
 - g) List the types of stop motions used on automatic looms

P.T.O.

- 2. Attempt any THREE of the following:** **12**
- a) Draw a neat labelled diagram of keighly dobby.
 - b) Explain the features of electronic rotary dobby.
 - c) Explain the working of single lift single cylinder jacquard with a suitable diagram.
 - d) Explain the advantages of electronic jacquard.
- 3. Attempt any THREE of the following:** **12**
- a) Explain the heald selection mechanism on paper cam dobby.
 - b) Explain the figuring capacity of jacquard with an example.
 - c) Explain the weft mixing concept on drop-box mechanism.
 - d) Describe the working of centre weft fork motion with suitable diagram on auto loom.
- 4. Attempt any THREE of the following:** **12**
- a) Explain types of heald reversing mechanism on loom.
 - b) Explain the working of mechanical rotary dobby with neat sketch.
 - c) Illustrate the construction and working of electronic jacquard.
 - d) Describe the types of drop wires used in warp stop motion with neat sketch.
 - e) Illustrate the construction and working of electrical warp stop motion with a neat sketch.
- 5. Attempt any TWO of the following:** **12**
- a) Demonstrate dobby pegging method for weaving 2 up 2 down 1 up 1 down twill weave $\left(\frac{2}{2} \frac{1}{1} \text{ twill}\right)$ for right hand dobby.
 - b) Elaborate the method of transferring design on graph paper from a motif.
 - c) Compare ordinary loom with automatic loom.

6. Attempt any TWO of the following:**12**

- a) Illustrate the construction and working of pirn changing mechanism with a neat sketch.
 - b) Enlist different types of jacquard mounting and harness ties. Explain any one with the help of a neat sketch.
 - b) Illustrate the construction and working of two cylinder cross border dobby with a neat sketch.
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