

22581

22223

3 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.
 - (8) Use of steam tables, logarithmic, Mollier's chart is permitted.

Marks

- 1. Attempt any FIVE of the following: **10****
- a) State the limitations of doobby shedding.
 - b) State the objects of cam doobby.
 - c) State the advantages of positive doobby.
 - d) State any four advantages of electronic rotary doobby.
 - e) State the disadvantages of mechanical jacquard.
 - f) Define casting out.
 - g) Define pick at will mechanism.

P.T.O.

- 2. Attempt any THREE of the following:** **12**
- a) Explain with neat sketch tappet shedding mechanism.
 - b) Describe with neat sketch single lift single cylinder jacquard.
 - c) Describe with neat sketch working of cow burn multiple box motions.
 - d) List the types of semi positive let-off motion and draw and label Ruf let-off motion.
- 3. Attempt any THREE of the following:** **12**
- a) Draw and label double lift, double cylinder jacquard.
 - b) List different types of weft feelers. Also state the advantages of each feeler.
 - c) Describe with neat sketch, working of side weft fork motion.
 - d) Differentiate between centre weft fork and side weft fork motion.
- 4. Attempt any THREE of the following:** **12**
- a) State the application of rotary doobby.
 - b) Describe with neat sketch, cross broder jacquard
 - c) Describe with neat sketch, CIMMCO positive let-off motion.
 - d) Differentiate between ordinary loom and automatic loom.
 - e) Describe with neat sketch centre weft fork motion.
- 5. Attempt any TWO of the following:** **12**
- a) Explain method of pegging for right hand doobby assuming your own peg-plan.
 - b) Describe with neat sketch, negative cam doobby.
 - c) Explain working of electronic jacquard with the help of a schematic diagram. State the advantages of electronic jacquard.

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

- a) Describe working of paper cam doobby with the help of a neat sketch.
- b) Elaborate the method of transforming design on graph paper from Artist's motif or sketch. Also explain importance of selecting correct count of point paper in jacquard designing.
- c) Prepare a card chain for following weft pattern.
 - 4 Picks of Red coloured weft.
 - 8 Picks of Blue coloured weft.
 - 4 Picks of Red coloured weft.
 - 4 Picks of White coloured weft.
 - 6 Picks of Green coloured weft.
 - 4 Picks of White coloured weft.

 - 30 Picks / repeat
