

17345

15116

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.

**Marks**

**1. Attempt any FIVE :**

**20**

- (a) Mention objects of Indirect (sectional) Warping.
- (b) State merits and demerits of Open shed and Bottom closed shed.
- (c) Give the various types of drop box motion and state the importance of drop box motion.
- (d) Give the safety devices in drop box and their working.
- (e) Draw different cards used in drop box mechanism and write their importance in working.
- (f) Write the objects of drop box motion.
- (g) Classify Jacquards and explain the need of jacquard in weaving.

**2. Attempt any TWO :**

**16**

- (a) Draw and explain the passage of warp through direct warping machine (label the parts).
- (b) Compare the Direct and Indirect Warping Machines.
- (c) Describe eight salient features of Modern Warping Machine.

**3. Attempt any TWO :**

**16**

- (a) State the working of three cylinder cross-border dobby mechanism.
- (b) Show the method of pegging for left hand and right dobby. (use 8 end satin weave)
- (c) Sketch and label double lift double Jack dobby (climax dobby).

**P.T.O.**

- 4. Attempt any TWO : 16**
- (a) Enumerate function and working of modulator with reading-in mechanism.
  - (b) Sketch and label double lift positive dobby.
  - (c) Prepare drop box cards chain for with and without card haring device for following pattern :  
16 Black, 32 Bleached White, 16 Red, 16 Green.
- 5. Attempt any TWO : 16**
- (a) Enumerate the working of Cow-burn and Peck drop box motion.
  - (b) Enlist eight important parts of Jacquard and write its function with sketches of parts.
  - (c) Sketch double lift double cylinder jacquard and label the parts.
- 6. Attempt any TWO : 16**
- (a) State and enumerate all harness ties and jacquard mountings.
  - (b) List down steps in transferring a design from sketch on to a graph paper.
  - (c) Describe the features of Electronic Jacquard.
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