

17345

21718

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.
 - (7) 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) What are objects of warping? Classify warping machines.
 - b) State types of sheds formed on Dobbies with their advantages.
 - c) Briefly describe various shed formed? Explain merits and demerits of each with neat figure.
 - d) Enlist various types of Dobbies you know. Differentiate between possible Dobby and Negative Dobby.
 - e) Explain different types of Drop box motion used briefly.
 - f) Classify Jacquard and explain the need of Jacquard in weaving.
 - g) Differentiate between mechanical and Electronic Jacquard.
 - h) State the meaning and types of 'Harness ties and Jacquard mounting.

P.T.O.

- 2. Attempt any TWO of the following:** **16**
- a) Draw and explain the passage of warp through direct warping machine (label the parts)
 - b) Explain types of creels used on beam warping with their relative merits and demerits.
 - c) Calculate production per day on warping machine in kg.
 - (i) Speed : 600 meters / min.
 - (ii) Count : 30^s Ne.
 - (iii) Ends : 480
 - (iv) Efficiency : 40%
 - (v) Cone weight : 1.4 kg.
- 3. Attempt any TWO of the following:** **16**
- a) Sketch and Label Climax Dobby.
 - b) Show the method of Pegging for left hand and Right Hand Dobby with the help of an example.
(Use wight end warp satin weave with 3 move)
 - c) With the aid of neat diagrams, Describe main features and working of Ruti Cam Dobby.
- 4. Attempt any TWO of the following:** **16**
- a) What is need of Jacquard shedding?
Draw neat sketch of Double Lift Single Cylinder Jacquard and label the parts.
 - b) Sketch Double Lift Double Cylinder Jacquard, and label the importance parts of Jacquard.
 - c) Explain modern Development of Modern Jacquard.
- OR
- c) Explain the method of card cutting and card lacing.

5. Attempt any TWO of the following:**16**

- a) Draw a neat sketch of single lift single cylinder jacquard and mention the names of various parts.
- b) Sketch and name of parts of paper pattern doobby.
- c) (i) Compare beam warping and sectional warping machines.
(ii) What is meant by weft mixing? Why it is necessary?

6. Attempt any TWO of the following:**16**

- a) (i) State importance of lease reed, explain leasing of warp on a sectional warping machine.
(ii) Explain importance of card saving device used on Drop-Box Loom.
 - b) (i) Compare ordinary doobby vs. cross - border doobby.
(ii) Describe timing and setting of climax doobby.
 - c) (i) What are advantages of electronic jacquard over mechanical jacquard.
(ii) Explain only cylinder changing mechanism on cross-border jacquard with neat sketch.
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