



RN-6903

**B. E. - III (Sem. V) (T. T.) Examination**  
**May / June - 2010**  
**Weaving - II**

Time : 3 Hours]

[Total Marks : 100

**Instructions :**

(1)

नीचे दर्शायेले निशानीवाणी विगतो उत्तरवडी पर अवश्य लपवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
<input type="text" value="B. E. - 3 (Sem. 5) (T. T.)"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="Weaving - 2"/>	<input type="text"/>
Subject Code No. : <input type="text" value="6"/> <input type="text" value="9"/> <input type="text" value="0"/> <input type="text" value="3"/>	<input type="text"/>
Section No. (1, 2,.....) : <input type="text" value="1&amp;2"/>	<input type="text"/>
	Student's Signature

- (2) Answer to the **two** sections must be written in **separate** answer books.
- (3) Figures to the right indicate full marks.
- (4) Tie **two** sections **separately**.

**SECTION - I**

- 1 (a) Fill in the blanks : 10
- (i) For 3/1 1/2 twill weave, one shedding tappet controls \_\_\_\_\_ number of picks.
- (ii) Uneven shading means \_\_\_\_\_.
- (iii) All the warp threads have to travel equal to \_\_\_\_\_ times the depth of shed in case of centre close shed.
- (iv) In cone over pick motion, the picking force can be decreased by moving the picking stick \_\_\_\_\_ the end of shuttle box.
- (v) Only one heald shaft can be controlled by using \_\_\_\_\_ type of heald reversing motion.
- (vi) For 1/2 2/1 twill weave, \_\_\_\_\_ number of shedding tappets are used.

- (vii) \_\_\_\_\_ dobby is mounted on right hand loom.
  - (viii) Two pattern cylinders are used in \_\_\_\_\_ Dobby.
  - (ix) Peg is provided in the wooden lag of a lattice of a dobby for \_\_\_\_\_ the corresponding heald shaft.
  - (x) Free flight of shuttle ends at \_\_\_\_\_ degrees of crank circle.
- (b) State the advantages of positive shedding over negative shedding. With the help of neat diagrams, explain the positive shedding mechanisms. 10
- 2 State and explain the method of designing shedding tappet and design a tappet for 3/1 1/2 twill weave using the said method. Assume suitable data wherever necessary. 15

**OR**

- 2 State the advantages of cross border dobby over climax dobby. With the help of neat diagrams, explain the cross border dobby in detail. 15
- 3 Write short notes on : (any three) 15
- (i) Factors affecting movement of shuttle during picking
  - (ii) Important settings of cone over pick mechanism
  - (iii) Method of checking eccentricity in sley motion
  - (iv) Beat-up motion.

**SECTION - II**

- 4 (a) Write True or False : 5
- (i) The change wheel and standard wheel are used to change the picks/inch in the fabric.
  - (ii) The chain-lever and weight let-off motion is a negative motion.
  - (iii) The side weft fork motion is placed near the starting hendle of the loom.
  - (iv) The Eccle's motion is a drop box motion.
  - (v) The 2×1 box motion is also called as the weft mixing motion.

- (b) Fill in the blanks : 5
- (i) The two types of positive intermittent take-up motions are \_\_\_\_\_ and \_\_\_\_\_.
- (ii) The three types of temples are \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_.
- (c) Explain in detail the negative let-off motion with the help of neat diagram. 10
- 5 Explain with neat diagram the loose reed motion. Give the setting points. 15
- OR**
- 5 Explain with diagram side weft fork motion. 15
- 6 Write short notes on : (any three) 15
- (i) Brake mechanism
- (ii) Objects of secondary motions
- (iii) Warp stop motion
- (iv) Worm and Worm wheel take-up motion.

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