



SE-6903

B. E. III (Sem. V) Examination

April / May - 2011

Weaving - II

(T.T.)

Time : 3 Hours]

[Total Marks : 100

Instructions :

(1)

नीचे दृष्टावेक निशानीवाणी विगतो उत्तरवही पर अवश्य लपवी.
Fillup strictly the details of signs on your answer book.

Name of the Examination :
B. E. III (Sem. V)

Name of the Subject :
Weaving - II

Subject Code No. : 6 9 0 3 Section No. (1, 2,.....) : 1&2

Seat No. :

Student's Signature

(2) Figure to the right indicates marks.

SECTION-I

- 1 (a) Fill in the blanks : 10
- _____ degrees of a crank circle is used for dwell period.
 - Eccentricity in sley motion can be decreased by _____ the radius of crank.
 - All the warp threads have to travel equal to _____ the depth of shed in case of open shed.
 - Picking force can be decreased by _____ the length of picking strap.
 - Object of shedding motion is _____.
 - Over shedding means _____.
 - _____ dobby is monted on Right hand loom.
 - In Over Pick Motion, the picking force can be increased by _____ the nose of picking tappet.
 - An eccentricity decreases with the _____ in the length of connecting arm.
 - Free flight of shuttle ends at _____ degrees in timing diagram.
- (b) Explain the Beat-up mechanism in detail with the help of neat diagram. 10

- 2 State the advantages of positive dobbie over negative dobbie. 15
With the help of neat diagrams, explain the working of
Staubly and Knowles Positive Dobby in detail.

OR

- 2 State the advantages of Cross Border Dobby over Climax 15
Dobby. With the help of neat diagrams, explain the Cross
Border Dobby in detail.
- 3 Write short notes on : (any three) 15
- (a) Faulty shedding operations
 - (b) Important settings of cone over pick mechanism
 - (c) Heald reversing motions
 - (d) Steps involved in shedding tappet designing.

SECTION : II

- 4 (a) Fill in the blanks : 10
- (i) _____ temple is used for parachute fabrics.
 - (ii) _____ weft fork motion is used for jacquard fabrics.
 - (iii) The _____ reed motion is used for faster running looms.
 - (iv) Let-off and take-up are classified as _____ motions.
 - (v) The numebr of rings in the ring temple depends on the width of the _____.
 - (vi) Seven wheel take-up motion is also called as _____ motion.
 - (vii) 2×1 box motion is also called as _____ mising motion.
 - (viii) _____ type of take-up motion is used for woollen and worsted fabrics.
 - (ix) _____ motion prevents missing ends in the fabric.
 - (x) A _____ mechanism is used to stop the loom immediately when starting handle is knocked off.
- (b) Explain with a neat diagram the fast reed motion. 10
Give the setting points.
- 5 Explain in detail the Eccle's 4×1 drop box motion with the 15
help of neat diagram.

OR

- 5 Explain in detail the principle of temples and use of 15
different types of temples with neat diagrams.
- 6 Write short notes on : (any three) 15
- (i) Brake mechanism
 - (ii) Objects of let-off motion
 - (iii) Positive continuous Take-up Motion
 - (iv) Warp stop motion.