



SE-8312

B. E. III (Sem. V) (T. T.) Examination
May / June – 2011
Weaving - III
(New Course)

Time : 3 Hours]

[Total Marks : 100

Instructions :

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fillup strictly the details of signs on your answer book.

Name of the Examination :

B. E. 3 (Sem. 5) (T.T.)

Name of the Subject :

Weaving - 3 (New)

Subject Code No. : 8 3 1 2 Section No. (1, 2,.....) : Nil

Seat No. :

Student's Signature

Instruction : Figures to the right indicate full marks.

Q1a.) Fill in the blanks : [10]

- Bobbin support plate is used to operate _____ in loom winder.
- In cop change looms, _____ shuttles are used.
- The ground structure of Swivel fabric is _____ weave.
- Internal selvages should have _____ weave.
- _____ material is preferred for Cop Change looms.
- The ground fabric of Lappet Fabric is _____ fabric.
- Reflective strip is provided near the base of pirn of _____ weft feeler.
- _____ change loom is preferred for synthetic fabrics.
- Pirns with _____ bunch are used in Bobbin Loader.
- Multiple boxes are mounted on _____ side of Multi-shuttle Weft Change looms.

Q1b.) Classify weft feelers. With the help of neat diagrams, explain the Depth fellers in [10] detail.

Q2.) State the requirements for production of Madras Muslin fabric. With the help of neat [15] diagrams, explain different mechanisms of Madras Muslin loom.

OR

Q2.) State the requirements for production of Swivel fabric. With the help of neat [15] diagrams, explain the working of Swivel loom in detail.

- Q3 .) Write Short Notes on : (Any three) [15]
- i. Terry fabric
 - ii. Weft ondule loom
 - iii. Boat selvedge motion
 - iv. Compare cop change with shuttle change loom

- Q4a.) Fill in the blanks : [10]
- i. A Jacquard is a _____ shedding device.
 - ii. Comber Board's are of two types: _____ and _____.
 - iii. Tying of the jacquard cards is called as _____.
 - iv. Feeler mechanisms bring _____ mechanisms into operations.
 - v. _____ and _____ warp threads are required to produce leno selvedge.
 - vi. _____ shuttles are used in Swivel loolms.
 - vii. Pile height can be controlled by changing the gap between _____ and pick inserted in terry mechanism.
 - viii. _____ number of pirns can be accommodated in magazine of Cop Change loom.
 - ix. Madras Muslin loom has _____ number of reeds.

- Q4b.) With the help of neat diagram, explain Warp ondule loom. [10]

- Q5a .) Explain with sketches the different parts of a jacquard. [15]

OR

- Q5 .) Explain with the help of neat diagram the Working and principle of Double Lift Double Cylinder Jacquard. [15]

- Q6 .) Write Short Notes on : (Any three) [15]
- i. Classification of Jacquard
 - ii. Comber Board
 - iii. Straight Tie-up
 - iv. Cross border jacquard