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SF-7203

B. E. - III (Sem. VI) (I.T.) Examination

May / June - 2011

Weaving - III

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. 6) (I.T.)

Name of the Subject :

☛ WEAVING - 3

☛ Subject Code No. : 7 2 0 3 ☛ Section No. (1, 2,.....) : NIL

Seat No. :

Student's Signature

(2) Figures to the right indicate full marks.

1 (a) Fill in the blanks : **10**

(i) Stop type shuttle change loom is stopped for _____ duration at the time of replacement of shuttle.

(ii) Number of shuttle holders used should be _____ than the number of swivel shuttles used in swivel loom.

(iii) Selvedges are basically of two types, namely, _____ and _____.

(iv) Penetration type weft feeler is a _____ type of weft feeler.

(v) In _____ fabrics, the figures are formed by using figuring warp threads.

(vi) Leno weave is used as an _____ selvedge.

(vii) Boat selvedge motion produces a selvedge with _____ weave.

(viii) Weft Ondule fabrics are produced by using _____ reeds.

(ix) The length of weft in a bunch should have length of weft thread equals to _____ number of picks.

(x) In 3-pick terry weave, _____ number of loose picks are inserted.

(b) State and explain the requirements for production of terry fabrics. Also explain different types of terry mechanisms. **10**

2 State different types of weft feelers. Explain different types of Electrical Weft feelers in detail with the help of neat diagrams. **15**

OR

2 State the requirements for production of Lappet fabric. With the help of neat diagrams, explain the working of Lappet loom in detail. **15**

3 Write Short Notes on : (any three) **15**

(i) Multi-shuttle weft change loom

(ii) Warp ondule loom

(iii) Plain selvedge motion

(iv) Compare Madras Muslin with Swivel Loom

4 (a) Fill in the blanks : **10**

(i) The number of hooks in a 400s double lift single cylinder jacquard is _____.

(ii) The warp thread passes through the _____ eye of the harness of jacquard.

(iii) _____ is the dead weight responsible for lowering the warp sheet in the jacquard.

(iv) The electronic jacquard works on _____ principle.

(v) Card _____ is the tying together of cards.

(vi) _____ number of values are used to operate Bobbin Loader.

(vii) _____ air is required to operate Bobbin Loader.

(viii) Figures are formed on back side of a fabric in _____loom.

(ix) In Madras Muslin loom, the Gauze Reed gets movement in _____ direction.

(x) For cotton fabrics, _____ type of change loom is preferable.

(b) With the help of neat diagram, explain the working of Loom Winder. **10**

5 Explain in detail with a neat diagram the principle and working of an electronic jacquard. **15**

OR

5 Explain in detail with neat diagrams the different parts of a jacquard. **15**

6 Write short notes on : (any three) **15**

(i) Classification of jacquards

(ii) Double lift jacquards

(iii) Harness Tie-ups

(iv) Card cutting