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RN-8235

B. E. II (Sem. IV) (T.P.) Examination

May / June – 2010

Yarn Preparation & Weaving - II

(As per GTU Syllabus)

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. 2 (Sem. 4) (T.P.)**

Name of the Subject :

☛ **Yarn Preparation & Weaving - 2**

☛Subject Code No. : **8 2 3 5** ☛Section No. (1, 2,.....) : **1&2**

Seat No. :

Student's Signature

(2) Answers 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) Do as directed : **10**

State whether True or False (i to v)

(i) Ribboning is a package fault obtained on random winding machine.

(ii) The winding speed remains constant in random winding.

(iii) Splicing is method of yarn joining without the formation of knot.

(iv) Unwinding accelerator is used to avoid the patterning in the package.

(v) A bunch is provided on the pirn used in automatic loom.

(vi) In pneumatic splicing _____ is used to splice.

(vii) High bulk textured yarn can be obtained using _____ texturising machine.

(viii) Multicylinder drying on a sizing machine uses _____ mode of drying.

(ix) _____ is used to prevent foam formation in the size paste.

(x) _____ is used to measure the warp length on a warping machine.

(b) Explain with neat sketch the passage of warp throught slasher sizing machine. **10**

2 (a) Describe the motion by which the beam warping machine is automatically stopped, when an end breaks during warping. **7**

(b) Discuss briefly, the different types of creel used on beam warping machines. **8**

OR

2 (a) Explain with a neat sketch ordinary pirn winding machine. **7**

(b) State the different methods of drying the sized yarn. Describe briefly the method used in multicylinder drying. **8**

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

(i) Size level control mechanism

(ii) Random winding

(iii) Knotting

(iv) Diameter control mechanism.

SECTION – II

4 (a) Do as directed : **10**

(i) Give the speed of ordinary and high speed warping machine.

(ii) State two merits of random winding.

(iii) Draw half build conical base pirn.

(iv) _____ warping is used for a yarn dyed fabric.

(v) Define traverse ratio.

(vi) Shedding tappets are mounted on _____ shaft in case of twill weave.

(vii) In case of cotton weaving beat up takes place at _____.

(viii) Max. capacity of dobby is _____ jacks.

(ix) _____ is weft supply package on loom.

(x) State use of temple.

(b) Give the objects of winding. Explain with a neat sketch passage of yarn through winding machine. **10**

5	(a)	Explain in detail passage of material through plain power loom.	**10**
	(b)	Explain single lift single cylinder jacquard.	**5**

OR

5	(a)	Distinguish between over pick and under pick mechanism.	8
	(b)	Write a brief note on "Airjet texturising".	**7**

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

(i) Centre weft fork motion

(ii) Temples

(iii) Beat up mechanism

(iv) Warp stop motion.