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RN-6285

B. E. - II (Sem. III) (Textile Technology & Processing) Examination

May / June - 2010

Elements of Textile Technology & Processing

Time : 3 Hours]

[Total Marks : 100

Instructions :

(1)

नीचे दशविवेक निशान्तीवाणी विगतो उत्तरवडी पर अवश्य लखवी.
Fillup strictly the details of signs on your answer book.

Name of the Examination :
B. E. - 2 (Sem. 3) (Textile Technology & Processing)

Name of the Subject :
Elements of Textile Technology & Processing

Subject Code No. : **6 2 8 5** Section No. (1, 2,.....): **1&2**

Seat No. :

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 separatel.

SECTION - I

Q - 1 (a) Answer the following: (10)

- i. On modern winding machines normally _____ yarn clearers are employed.
- ii. _____ is produced on speed frame.
- iii. Air textured yarn has more _____ than draw textured yarn.
- iv. Give an example of antifoaming agent used in sizing.
- v. Name any one method of joining of fabric parts used in garment manufacturing.
- vi. Name any one manufacturer of Ring spinning frame.
- vii. 2 lb = _____ grains.
- viii. Open end yarn is produced on _____ machine.
- ix. Give the process flow for making carded yarn.
- x. 20 Tex = _____ Ne.

Q - 1 (b) State the objects of Scutcher. With the help of neat sketches, describe the passage of material through it. (10)

Q - 2 (a) With the help of neat sketch give a brief description of knife roller gin. (05)

(b) Explain the steps involved in the manufacturing of Garment. (10)

OR

- Q - 2 (a) With the help of neat sketch, briefly describe Air Jet texturing. (05)
 (b) With the help of neat sketch, give a brief description of the objects and main parts of Comber. (10)
- Q - 3 **Write short notes (On Any Three):** (15)
 (a) Drawing-in
 (b) Knitting
 (c) Drum traverse
 (d) Technical textiles

SECTION – II

- Q - 4 (a) **Answer the following.**
 i. Give classification of reactive dyes. (03)
 ii. Give example of any two natural impurities. (02)
 (b) Give classification of Shuttleless looms. (04)
 (c) Explain with neat sketches principle of weft insertion for: (06)
 i. Conventional loom
 ii. Water Jet
 iii. Single gripper.
 (d) What do you mean by Satins and Sateens? Which steps are unacceptable in preparing these weaves? (05)
- Q - 5 Give the classification of Desizing. Explain in detail desizing. (15)
- OR**
- Q - 5 (a) Explain in detail the application of Azoic dye on cotton. (10)
 (b) Give classification of Colouring matters. (05)
- Q - 6 **Write short notes (On Any Three):** (15)
 i. Gas singeing
 ii. Stitching
 iii. Shearing and cropping
 iv. Random winding