



SE-8133

**B. E. II (Sem. III) (T.P.) Examination**  
**May / June – 2011**  
**Elements of Textile Technology & Processing**  
**(New Course)**

Time : 3 Hours]

[Total Marks : 100

**Instructions :**

(1)

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

Name of the Examination :  
B. E. 2 (Sem. 3) (T.P.)

Name of the Subject :  
Elements of Textile Technology & Processing (New)

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

Seat No. :

Student's Signature

- Answers to the **two** sections must be written in **same** answer book.
- Figures to the **right** indicate **full** marks.

**SECTION I**

- Q.1** a) Answer the following **objective** questions. **(10)**
- Enlist the objective of Blow room.
  - Twist is inserted in the yarn by \_\_\_\_\_.
  - Enlist the function of blow room.
  - Newly inserted pick is put at the \_\_\_\_\_ of the cloth.
  - The beam which is produced after sizing is called \_\_\_\_\_.
  - Enlist primary motion of weaving.
  - \_\_\_\_\_ is the strongest weave.
  - Enzymes work on ----- principle.
  - Which pre-cleaning process of cotton follows the principle same as the grass cutter?
  - What is the purpose of bleaching?
- b) Describe in detail the drafting system on draw frame. **(10)**

- Q.2** a) Draw any two weave and write features of the same. (07)
- b) Draw only a neat labeled sketch of passage through carding machine. (05)
- c) Enlist different motions of a loom. (03)

**OR**

**Q.2** a) Enlist objective of winding machine and explain passage of yarn through drum winding machine with neat sketch. (10)

b) Enlist sizing ingredients and write functions of them in one line. (5)

**Q.3** Write short notes on **any three** of the following. (15)

a) Beat up

b) Speed frame passage

c) Package faults.

d) Gear crimping

**Q.4** a) Answer the following objective questions. (10)

i) Dichloro triazine dyes are also known as -----

ii) Write principle of jet dyeing machine.

iii) Direct dyes have poor washing fastness. True / False

iv) Reactive dyes form -----bond with cotton fibre.

v) Which surface active agents are used in the scouring.

vi) How the rust stains are removed during grey inspection.

vii) Write any two methods of stitching.

viii) Define count

ix) Define draft.

x) Weft is inserted by \_\_\_\_\_mechanism.

b) Explain working of Shearing and cropping machine with neat sketch. (10)

**Q.5** a) What is Desizing? Explain 'Enzymatic Desizing' process in detail. (10)

b) Describe the mechanism of 'Enzymatic Desizing' (05)

**OR**

**Q.5** Discuss in detail the bleaching process with sodium chlorite. State drawbacks of sodium chlorite bleaching. **(15)**

**Q.6** Write short notes on **any three** of the following. **(15)**

- a) Grey Inspection and stitching.
  - b) Carding action
  - c) Acid desizing
  - d) Gas singeing
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