



**KC-8147**  
**B. E. II (Sem. III) (Textile Technology)**  
**Examination**  
**November / December – 2012**  
**Weaving I**  
*(New Syllabus)*

Time : 3 Hours]

[Total Marks : 100

**Instructions :**

(1)

<p>नीचे दशांशिक निशान्तीवाणी विगतो उत्तरवडी पर अवश्य लपवी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : <b>B. E. II (Sem. III) (Textile Technology)</b></p> <p>Name of the Subject : <b>Weaving-I (New)</b></p> <p>Subject Code No. : <b>8</b> <b>1</b> <b>4</b> <b>7</b> Section No. (1, 2,.....): <b>1,2</b></p>	<p>Seat No. : <input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/></p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; text-align: center; width: 100%;">Student's Signature</div>
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(2) **Figures to the right indicate full marks.**

**SECTION – I**

- 1 a) Answer the following: (10)**
- i) What is Slub? 1
  - ii) Enlist Splicing techniques. 1
  - iii) What are the objects of Winding. 2
  - iv) Define Wind ratio. 1
  - v) Traverse within traverse is also known as \_\_\_\_\_. 1
  - vi) \_\_\_\_\_ and \_\_\_\_\_ are the two principles of electronic yarn clearer. 2
  - vii) Drum winding machine mainly used for winding of \_\_\_\_\_ and \_\_\_\_\_ yarns from hanks or mule cop. 2
- b) Explain method of yarn traversing on a winding machine. (10)**
- 2 a) Explain the passage of yarn through ordinary Pirn winder. (05)**
- b) Explain Random and precision winding. (10)**

**OR**

- 2 a) Enlist the methods of weft preparation? Also explain advantages of Rewound weft. (10)**
- b) Explain Additive type of Tensioner. (05)**

- 3 Write short notes on **any three**. (15)
- a) Pneumatic splicing
  - b) Bunching mechanism
  - c) Features of Modern Winders.
  - d) Winding Faults

**SECTION – II**

- 4 (a)
- i. Enlist the secondary motions of a plain power loom. (03)
  - ii. If the healds cross before reaching top centre of the crank shaft, it is termed as \_\_\_\_\_. (01)
  - iii. \_\_\_\_\_ is used for regulating tension in the warp during pick cycle for plain weaving. (01)
  - iv. Auxiliary motions or devices assist or modify primary motions. State whether true or false. (01)
  - v. \_\_\_\_\_ shedding is used for weaving large pattern repeats. (01)
  - vi. \_\_\_\_\_ is used to check and destroy the momentum of returning shuttle. (01)
  - vii. What is the function of picker? (02)
- (b) Explain in detail Cone under Pick mechanism with a neat sketch. (10)
- 5 (a) Explain Fast Reed motion with a neat sketch. (10)
- (b) Explain Positive Tappet Shedding with a neat sketch. (05)

**OR**

- 5 (a) State objects of Let-Off mechanism. (05)
- (b) Explain in detail Negative Let-Off mechanism. (10)
- 6 **Write short notes ( On Any Three ):** (15)
- i. Bottom closed shed
  - ii. Side weft fork motion
  - iii. Lease rods
  - iv. Checking device