



SF - 8170

B. E. II (Sem. IV) Examination

May / June - 2011

Elements of Textile Processes

(Institute Elective - I) (New Scheme)

Time : 3 Hours]

[Total Marks : 100

Instructions :

(1)

नीचे दृष्टावेक निशानीवाणी विगतो उत्तरवडी पर अवश्य लभवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination : B. E. 2 (SEM. 4)	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Name of the Subject : ELEMENTS OF TEXTILE PROCESSES (NEW SCHEME)	<input type="text"/>
Subject Code No. : 8 1 7 0 Section No. (1, 2,...): 1&2	
	Student's Signature

- (2) Answers to the two sections must be written in same answer books.
- (3) Figures to the right indicate full marks.

SECTION - I

- 1 (a) Answer the following objective questions. 10
- Define what is dyeing.
 - Bleaching is nothing but the removal of impurities from the fabric - True or False.
 - What is the discharge style of printing ?
 - Pressure kier is used for _____ of fabrics.
 - Bleaching with chlorine based bleaching agent is known as _____.
 - Raw fabric received from weaving department is known as _____ fabric.
 - Which dyes is used for dyeing polyester ?
 - What is the direct style of printing ?
 - What is meant by light shade ?
 - The object of desizing is to remove starch - True or False.
- (b) Show in block diagram the unit operations carried out in textile process house. 5
- (c) Give properties and applications of any one dye suitable cotton. 5

- 2 What is difference between dyeing and printing ? 15
Differentiate style of printing and method of printing.
Explain different style of printing.
- OR**
- 2 Describe with neat diagram the working of 15
mercerizing machine.
- 3 Write short notes on any **three** of the following : 15
(a) Grey Inspection
(b) Chemicking
(c) Oxidation colours
(d) Pigment

SECTION - II

- 4 (a) Answer the following objective questions. 10
(i) Name the beater used in Scutcher.
(ii) Give object of Ginning process.
(iii) 16 OZ = _____ lb.
(iv) Combing process is generally used for the yarn counts above _____.
(v) State the objects of Roving/Speed Frame.
(vi) The principle of deflection is applied in _____ type of tensioner.
(vii) Name different types of creels used in warping.
(viii) Name any four sizing ingredients.
(ix) The yarn running vertically in the fabric is called _____.
(x) Name secondary motions of loom.
- (b) Explain in brief different motions of loom. 10
Describe with a neat diagram Beating (Beat up) motion of loom in detail.
- 5 (a) Write objects of Carding machine and 8
Draw passage of material in Carding machine.
- (b) With the help of neat sketch, describe the passage 7
of material in Draw Frame.
- OR**
- 5 Describe objects of Blow room and important parts 8
of the Blow room line.
Draw and explain in detail - Passage of material 7
in Ring frame.
- 6 Write short notes on any **three** of the following : 15
(a) Random Winding
(b) Warping Process
(c) Ordinary sizing machine
(d) Pirn Winding Machine