



SF-8368

B. E. - III (Sem. - VI) (T.T.) Examination

May/June - 2011

Technical Textiles - I

Time : 3 Hours]

[Total Marks : 100

Instructions :

(1)

नीचे दशांशवले निशानीवाणी विगतो उत्तरवही पर अवश्य लपची. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
<input type="text" value="B. E. - 3 (SEM. - 6) (T.T.)"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="TECHNICAL TEXTILES - 1"/>	<input type="text"/>
Subject Code No. : <input type="text" value="8"/> <input type="text" value="3"/> <input type="text" value="6"/> <input type="text" value="8"/>	<input type="text"/>
Section No. (1, 2,.....): <input type="text" value="Nil"/>	<input type="text"/>
	Student's Signature

(2) Figures to the **right** indicate full marks.

- 1 (a) Do as Directed : **10**
- (i) Any two applications of Buildtech : _____, _____.
- (ii) Any two applications of Sporttech : _____, _____.
- (iii) Any two application of Oekotech : _____, _____.
- (iv) Any two applications of Hometech : _____, _____.
- (v) Enlist different products used as Geo textiles.
- (b) Discuss the features of CA11 card in detail. **10**
- 2 Classify nonwoven fabric forming techniques. With the **15**
help of neat diagrams, explain different types of adhesive
bonding techniques in detail.

OR

- 2 (a) Discuss the various requirements of Filter fabrics and **10**
factors to be considered for designing of filter fabrics.
- (b) Discuss the advantages of using Agriculture textiles. **5**
- 3 (a) Write short notes on : (any **three**) **15**
- (i) Needle punching mechanism
- (ii) Parallel laid and cross laid web formation
- (iii) Process line for Thermal Bonded Fabrics.
- (iv) Automotive Textiles.

- 4 (a) Do as Directed : 10
(i) Give any two uses of Ryton.
(ii) Give the starting material for producing Basofil and Carbon Fibres.
(iii) Give the tenacity of Nomex and Glass fibres.
(vi) Give the full form of PTFE and SBR.
(v) Illustrate Lick Roll.
- 4 (b) Only draw the flow chart for manufacturing of Nylon 5
Tyre cord yarns and fabrics.
- (c) Discuss applications of Textiles in medical field briefly. 5
- 5 (a) Discuss the Production and Properties of Carbon 7
Fibres.
- (b) Discuss the Production, Properties and uses of Teflon 8
fibres.

OR

- 5 With the help of neat sketches, explain how knife 15
coating and Gravure coating is done.
- 6 Write short notes on : (any **three**) 15
(i) Methods of adhesive coating
(ii) Aramid Fibres.
(iii) Coating Materials.
(iv) Kynol.
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