



SF-7911

B. E. IV (Sem. VIII) (T.T.) Examination

May / June - 2011

Elective : Knitting Technology

Time : Hours]

[Total Marks : 100

Instructions :

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી. 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. 4 (Sem. 8) (T.T.)"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="Elective : Knitting Technology"/>	<input type="text"/>
Subject Code No. : <input type="text" value="7"/> <input type="text" value="9"/> <input type="text" value="1"/> <input type="text" value="1"/>	<input type="text"/>
Section No. (1, 2,.....) : <input type="text" value="1&2"/>	<input type="text"/>
	Student's Signature

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

SECTION - I

- 1 (a) Answer in brief :
- (i) The loop formation is carried by the combined operations of which knitting elements ? 2
- (ii) The swinging motion of guide bars is obtained from. 1
- (iii) The main functions of sinker are.: 2
- (iv) State briefly 5 advantages of knitted fabrics as compared to woven fabrics. 5
- (b) Explain in detail knitting cycle with 'Compound Needle'. 10
- 2 (a) 'Queenscord has greater rigidity than sharkskin'. Give reason. 5
- (b) Describe the following lapping movements with neat sketches. 10
- (i) The 1 & 1 lapping
- (ii) The 2&1, 3&1, 4&1 lapping.

OR

- 2 (a) Give the comparable points between Laid-in fabrics and Fall plate Lap fabrics. 5
 (b) With a neat diagram explain the pattern mechanism. 10
- 3 Write short notes on : 15
 (i) Warping for warp knitting
 (ii) Reasons for suitability of continuous filament yarns for warp knitting
 (iii) Precautionary measures required in process of loop raising.

SECTION - II

- 4 (a) Fill in the blanks : 10
 (i) _____ weft knit structure is used in socks.
 (ii) The number of tricks per inch are called _____ of the cylinder.
 (iii) _____, _____ and _____ are parts of a sinker.
 (iv) The swing cam is placed in place of the _____ cam.
 (v) A 2x2 rib structure is called as _____ Rib.
 (vi) _____ tester is used for measuring strength of fabrics.
 (vii) If a needle is not raised to clearing height or feeding height it forms a _____ stitch.
 (viii) Eight lock is a derivative of _____ structure.
- (b) Explain in detail the properties of single jersey fabrics. 10
- 5 Explain in detail the formation of float and tuck stitches. 15

OR

- 5 Explain in detail the punched steel tape jacquard with neat diagrams. 15
- 6 Write short notes on any **three** : 15
 (i) Spring Beard needle
 (ii) Knitting elements
 (iii) Purl knitting machine
 (iv) Derivatives of plain knit fabrics.