

Roll No. ....  
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**8683**

**BT-6 / M-17**

**KNITTING TECHNOLOGY (OLD)**

**Paper-TT-308**

*Time allowed : 3 hours*

*[Maximum marks : 100*

*Note : Attempt five questions in all, while selecting one question at least from each unit.*

**Unit-I**

- 1. (a) Define knitting. With the help of neat diagrams, classify knitted structures and machine. 12
- (b) Briefly differentiate between knitted and woven fabric properties? 8
- 2. (a) Which type of fabrics are preferred for 'Fitted Clothes' and why? 5
- (b) Explain different elements and their functions of knitting. Draw neat diagram. 15

**Unit-II**

- 3. Explain structure and properties of following :
  - (a) Rib
  - (b) Float
  - (c) Interlock
  - (d) Purl 5×4=20
- 4. (a) What are different parameters for piled structures? How do different heights of piles are achieved in knitting process? 12
- (b) Define 'WELT'. How do welt is constructed during printing process? 8

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[Turn over

( 2 )

**Unit-III**

- 5. (a) What are commonly occurring knitted fabric defects? How do these can be minimised? 12
- (b) What are important shrinkage behaviours of knitted fabrics? 8
- 6. Explain following for knitted fabrics : 5+3+5+7
  - (a) Fractional Cover
  - (b) Kw
  - (c) Tightness factors
  - (d) Yam tension.

**Unit-IV**

- 7. (a) Briefly explain 'basic overlaps' in warp knitting process? 8
- (b) Differentiate between warp and weft knits. 6
- (c) What is 'Closed' and 'Open' Lap? 6
- 8. Explain structures of following knit structures : 5×4=20
  - (a) Loop Raised
  - (b) Lock knit
  - (c) Closed Atlas
  - (d) Queen's Cord

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