

o) What is reactive dyes ?

No. of Printed Pages : 4  
Roll No. ....

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### SECTION-C

**Note:** Long answer type questions. Attempt any three questions. 3x10=30

- Q.3 What is dyeing? Explain stages of dyeing.
- Q.4 What is shrinkage ? How It can be controlled?
- Q.5 What is printing ? Explain types of printing ?
- Q.6 Classify fibre based upon its origin and its constituents.
- Q.7 Write short note on
- a) Melt spinning.
  - b) Weaving accessories.

(200)

(4)

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4th Sem. / FT / FD

**Subject : Fundamentals of Textile Science**

Time : 3 Hrs.

M.M. : 100

### SECTION-A

**Note:** Very Short Answer type questions. Attempt any 15 parts. (15x2=30)

- Q.1
- a) Fibre.
  - b) Yarn.
  - c) Knitting.
  - d) Demonstrate courses and wales.
  - e) Hydro fobic and hydrophillic fibre.
  - f) RFD.
  - g) Mercerisation
  - h) Care Labeling
  - l) Example of mineral fibre.

(1)

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- j) Loom.
- k) Pile structure.
- l) Printing Paste.
- m) Stone wash.
- n) Colour crocking.
- o) Moisture regain of wool.
- p) Thickner.
- q) Rib fabric
- r) Bleaching.

### SECTION-B

**Note:** Short answer type questions. Attempt any ten parts 10x4=40

- Q.2
- a) What are protein fibre ?
  - b) Differentiate warp knitting and weft knitting.

(2)

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- c) Draw longitudinal and cross sectional view of cotton fibre.
- d) Which symbols represent bleaching dry cleaning, washing and pressing on care labels.
- e) Draw a flow chart for sequence of spinning operations.
- f) What is colour fastners ? How it is evaluated ?
- g) Explain knitting cycle for weft knit structure.
- h) Write short note on Tie & Dye.
- i) What are dyeing defects ?
- j) Design a summer collection mentioning type of fibre fabrics dye and finish .
- k) Draw a line diagram of loom.
- l) What is screen printing?
- m) What is yarn numbering system ?
- n) What is blending ?

(3)

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