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3 SEM TDC HSCH (CBCS) C 5

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(Held in January/February, 2022)

HOME SCIENCE

(Core)

Paper : C-5

(Introduction to Textiles)

Full Marks : 53

Pass Marks : 21

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

1. Write *True* or *False* of the following : $1 \times 4 = 4$
- (a) Silk fibre is made up of elements like carbon, hydrogen, oxygen and nitrogen.
 - (b) Yarn can be formed by twisting together a group of fibres.
 - (c) Washing of wool is done in an alkaline solution which is known as scouring.
 - (d) Cotton fibres are very strong as compared to other natural fibres.

2. Fill in the blanks of the following : $1 \times 4 = 4$

- (a) _____ are the rows of loops running crosswise (horizontal).
- (b) Lengthwise yarns parallel to selvedge are called _____ yarns.
- (c) _____ fibres are made up of cellulose.
- (d) _____ fibres' length is measured in metres.

3. What do you understand by the following terms (any four)? $2 \times 4 = 8$

- (a) Satin weave
- (b) Reeling
- (c) Filament yarn
- (d) Warp
- (e) Shuttle

4. State the differences between the following (any four) : $3 \times 4 = 12$

- (a) Monofilament and Multifilament
- (b) Natural fibre and Manmade fibre
- (c) Warp knitting and Weft knitting
- (d) Plain weave and Twill weave
- (e) Sizing and Degumming

(3)

5. What is yarn? Explain the classification of yarn on the basis of structure of yarn. 1+6=7

Or

What is yarn twist? What are the differences between S twist and Z twist? 1+6=7

6. What is textile fibre? Write down the classification of fibre according to source. 2+6=8

Or

Describe in detail the properties of cotton. 8

7. What is printing? Classify the printing methods. Discuss any two methods of printing. 2+2+6=10

Or

Define finishes. Why do we finish a fabric or yarn? Discuss briefly any one type of chemical finishes. 2+4+4=10
