

3 SEM TDC HSCH (CBCS) C 5

2023

(Nov/Dec)

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. Fill in the blanks of the following : 1×4=4

- (a) _____ is basic unit of textiles.
- (b) Lengthwise yarns parallel to selvedge are called _____ yarns.
- (c) _____ is a major method of fabric construction.
- (d) _____ fibres are made up of cellulose.

2. Write *True* or *False* of the following : $1 \times 4 = 4$

- (a) Cotton is stronger when it is wet.
- (b) Washing of wool is done in an alkaline solution which is known as scouring.
- (c) Nylon is a natural fibre.
- (d) Silk protein is called fibroin.

3. Write short notes on the following (any four) : $2 \times 4 = 8$

- (a) Fibre morphology
- (b) Filament yarn
- (c) Satin weave
- (d) Mercerising
- (e) Reeling

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

- (a) Mechanical and Chemical finishes
- (b) Warp and Weft knittings
- (c) Basket weave and Rib weave
- (d) Natural and Man-made fibres
- (e) Tie & dye and Batik

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

Or

Explain the processes of manufacture of cotton. 7

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

Or

Explain in detail the properties of silk. 8

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

Or

Discuss about operations and motions of the throw-shuttle loom. 10
