

2021

Full Marks : 60

Time : 3 Hours

Answer **all** the questions.

The figures in the right hand margin indicate marks.

1. Answer **all** of the following: $1 \times 8 = 8$

Fill in the blanks :

- i) The basic visible unit from which fabrics are made _____.
- ii) The process of separating cotton fibres from seeds is called _____.
- iii) Yarn composed of a single solid strand of great strength and smoothness _____.
- iv) The yarns are made primarily for their appearance is known as _____.
- v) A comb like device used in a loom is known as _____.
- vi) The process formed by interlacing two sets of yarns is _____.

[Turn over]

(2)

vii) Washing of wool with alkaline solution is known as _____.

viii) _____ is a form of resist dyeing.

2. Answer any **eight** questions within **2-3** sentences each: $1\frac{1}{2} \times 8 = 12$

- i) Write down the names of natural fibre according to the source.
- ii) What is staple fibre?
- iii) Write down two characteristics of cotton.
- iv) Define simple yarn.
- v) Define complex yarn.
- vi) What is plain weave?
- vii) Write down different parts of loom.
- viii) What is embossing?
- ix) What is mechanical finishing?
- x) What is dye?

3. Answer any **eight** questions within **75** words each: $2 \times 8 = 16$

- i) Write down the classification of fibre.

(3)

- ii) Write down any two properties of silk.
- iii) What is ginning?
- iv) Define wet spinning process.
- v) Discuss the manufacturing process of wool.
- vi) Write down the types of yarn.
- vii) What is twill weave?
- viii) What is weighting of silk?
- ix) What is mercerisation?
- x) Define resist dye.

4. Answer any four questions within 500 words each:
6×4=24

- i) Write down the classification of textile fiber in detail. <https://www.odishastudy.com>

OR

Write down the manufacturing process and properties of silk.

- ii) Define yarn. Explain complex yarn in detail.

OR

Write down mechanical spinning process of cotton system.

(4)

- iii) Write down the classification of weave. Discuss plain on twill weave.

OR

What is loom? Write down the operation process of loom.

- iv) What is finishing? Write down in detail about mechanical finishing.

OR

What are different types of natural dyes? Explain them.

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