2025

HOME SCIENCE

Paper : HOS0400404

(Textile Science and Care)

Full Marks : 45

Time : Two hours

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

1. Choose the correct answer : 1×5=5

   (i) Which one of the following is an example of natural fibre ?

   (a) Cotton

   (b) Linen

   (c) Rayon

   (d) Elastomeric fibres

(ii) Yarns made from long length filament fibre is—

(a) Silk

(b) Cotton

(c) Linen

(d) Rayon

(iii) Fabric construction can be done by—

(a) weaving

(b) knitting

(c) nonwoven

(d) All of the above

(iv) Which of the following is a common chlorine-based bleach used in laundry ?

(a) Hydrogen peroxide

(b) Sodium hypochlorite

(c) Ammonia

(d) Acetic acid

(v) Which household item can help remove coffee *or* tea stains from clothing ?

(a) Lemon juice

(b) Corn starch

(c) Salt

(d) Flour

2. Answer in brief : *(any five)*   2×5=10

(i) What do you understand by weaving ?

(ii) Define Nonwoven. Give at least *one* example.

(iii) What is felting ? Mention the application of felting.

(iv) List down *two* examples of woven fabrics.

(v) What is hardness of water ?

(vi) Name few laundry blues used in fabric.

(vii) List *two* properties of water used in textile industry.

(viii) What do you mean by chemical spinning ?

(ix) Draw *two* care labels used in fabric.

(x) Define the term braiding.

3. Answer the following questions : *(any four)*   5×4=20

(i) Explain the different parts of weaving and the functions of loom.

(ii) Elaborate Labelling and Labelling Act.   2+3=5

(iii) Explain the proceeding and properties of wool fibres.

(iv) Write a note on Nonwoven fabrics.

(v) Explain the types of water use for processings.

(vi) Discuss the operations and motions of the loom.

(vii) Write the differences between woven and knitted fabrics.

(viii) What is stain ? Explain the methods of removing lipstick and coffee stain from the fabric. 1+4=5

4. Answer the following questions : *(any one)* 10×1=10

(i) Discuss the properties and the reasons for consumer preferences of cotton fibre. 5+5=10

(ii) Explain the different methods of laundry.

(iii) What are finishes ? Explain different types of finishes. 2+8=10

(iv) Explain briefly different types of hardness of water.

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