

April 2025
B.A./B.Sc.
Second Semester
VALUE ADDED COURSE – 2
CHEMISTRY
Course Code: CHV 2.11
(Indian Textiles)

Total Mark: 50
Time: 2 hours

Pass Mark: 20

I. Answer the following questions.

1. (a) What is ikat? Explain its types and outline the steps involved in its preparation. 1+3=4
(b) Elucidate the traditional looms in Indian weaving. 4
(c) Explain wool weaving technology, highlighting its weaving process, technological advancements, and cultural significance. 4

2. (a) Classify textile fibres based on their origin and chemical composition, providing examples for each category. 5
(b) How do the properties of cotton, flax and hemp influence their application in the textile industry? Provide relevant examples. 5
(c) List the key characteristics of polyester, nylon, acrylic and spandex fibres. 2

3. (a) Explain the properties of any two weft-knitted fabrics. 4
(b) Discuss flat knitting machines with structure. 5
(c) Describe the methods and materials used in manufacturing embroidery fabrics. 3

II. Answer any two of the following questions.

4. (a) Define brocade. Give the comparison between ikat and brocade. 1+2=3
(b) Write a note on any two of the following: 2×2=4
 - (i) Kantha embroidery
 - (ii) Chikan embroidery

(iii) Phulkari embroidery

(iv) Naqshbandas embroidery

5. How do natural and synthetic fibres differ in terms of production, usage, and care? Why is understanding these differences important for textile designers? 4+3=7
6. (a) Explain the difference between woven and knitted fabrics. 4
(b) Describe the various types of knitting stitches. 3
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