

No. of Printed Pages : 2

21BSC4C12GML



Sl. No.

B.Sc. IV Semester Degree Examination, September/October - 2023

GARMENT MANUFACTURING TECHNOLOGY

02 (Model - B) : Chemical Processing of Textiles

(NEP)

Time : 2 Hours

Maximum Marks : 60

Note : Answer **all** Sections.

SECTION - A

Answer the following sub-questions. Each sub-question carries **one** mark. **10x1=10**

1. (a) What is Shearing and Cropping ?
- (b) Which are the types of Singeing ?
- (c) What is Mercerization ?
- (d) What is Printing ?
- (e) What is Desizing ?
- (f) What is Saponification ?
- (g) Which is a universal bleaching agent ?
- (h) Name any two chemical permanent finishes.
- (i) Name any two temporary mechanical finish.
- (j) Give an example for hydrolytic method of dezing.



P.T.O.

SECTION - B

Answer **any four** of the following questions. Each question carries **five** marks.

4x5=20

2. Write a flow chart for the wet processing of wool and silk.
3. Explain the process of gas singeing with a sketch.
4. Define finishing objects with its classification.
5. Explain the process any method of drying.
6. Explain the objects of calendaring and explain any one type of calendaring.
7. Explain the process of hypochlorite bleaching.

SECTION - C

Answer **any three** of the following questions. Each question carries **ten** marks.

3x10=30

8. Explain the process of Scouring under Kier with a neat sketch.
9. Explain any two methods of desizing with a neat sketch.
10. With a flow chart explain the sequence of wet processing of cotton.
11. What is Sanforising ? Explain the method of anti-shrinkage in Sanforising with a neat sketch.
12. What is bleaching ? Explain the method of two stage continuous bleaching by using Hydrogen Peroxide (H_2O_2).

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