



## B.Sc. (GMT) IV Semester Degree Examination, Sept./Oct. - 2024

### GARMENT MANUFACTURING TECHNOLOGY

#### DSC12 : 02 MODEL - B : Chemical Processing of Textiles

#### (NEP)

Time : 2 Hours

Maximum Marks : 60

**Note :** Answer **all** sections.

#### SECTION - A

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

1. (a) What is another name for chemical processing of textiles ?
- (b) What is a Kier ?
- (c) What is a dezing ?
- (d) What is degumming of silk ?
- (e) What is a permanent finish ?
- (f) Write an example for any two temporary finishes.
- (g) Which chemical is used for scouring of cotton ?
- (h) Which chemical is used for Durable press finish ?
- (i) Give an example for chemical finish.
- (j) What is Mercerization ?

#### SECTION - B

II. Answer **any four** of the following questions. Each question carries **five** marks. **4x5=20**

2. Classify the textile processing machines.
3. Explain the process of gas singeing with a neat sketch.
4. Define the process of Bleaching with hypochlorite solution.



5. Write a note on Durable press finish.
6. Explain the process of garment processing and finishing.
7. Write about hydrolytic method of any one desizing process.

**SECTION - C**

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

**3x10=30**

8. Explain the wet processing of cotton with a sequence of flow chart.
9. Explain the process, of scouring in Kier Machine.
10. Classify the types of finishes and explain one temporary finish and one permanent finish.
11. Write a note on :
  - (a)  $H_2O_2$  Bleaching
  - (b) Fire proof finish
12. Write a note on :
  - (a) Sanforising
  - (b) Advantages of  $H_2O_2$  Bleaching

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