

- Q.20 Explain one way in which geotextiles help in erosion control.
- Q.21 Write a short note on fire- resistant protective clothing.
- Q.22 Write a short note on the importance of agro textiles in farming.

No. of Printed Pages : 4
Roll No.

222563C

6th Sem.
Branch : Textile Design
Sub.: Technical Textiles

Time : 3 Hrs.

M.M. : 60

SECTION-D

Note: Long answer questions. Attempt any two questions out of three Questions. (2x8=16)

- Q.23 Define geotextiles and explain their types and applications in construction.
- Q.24 Define medical textiles. Discuss in detail the various applications of medical textiles in healthcare.
- Q.25 Explain the significance of agro textiles in modern agriculture. Discuss their role in soil protection, crop growth, and pest control.

Note: Multiple type Questions. All Questions are compulsory. (6x1=6)

- Q.1 Which of the following fibers are commonly used in making geotextiles?
a) Silk b) Nylon
c) Polyester d) Wool
- Q.2 What is the main application of medical textiles?
a) Automotive upholstery
b) Soil erosion control
c) Wound care and surgical applications
d) Sports gear
- Q.3 Which technical textile is commonly used in the construction of roads and railway tracks?
a) Geotextile b) Medical textile
c) Agro textile d) Protective textile

- Q.4 What is the function of smart textiles?
- To absorb moisture
 - To change properties in response to external stimuli
 - To provide warmth
 - To improve aesthetics
- Q.5 Which of the following is used for water filtration in various industries?
- Geotextile
 - Filter fabric
 - Medical textile
 - Protective fabric
- Q.6 What is the main use of medical textiles?
- To make clothing for fashion
 - To make fabrics used in hospitals and healthcare
 - To make carpets and rugs
 - To make outdoor clothing

SECTION-B

Note: Objective/Completion type questions. All questions are compulsory. $(6 \times 1 = 6)$

- Q.7 What are technical textiles?
- Q.8 Geotextiles are used in the construction of roads. (True / False)

- Q.9 Non woven fabrics are made without any weaving process. (True / False)
- Q.10 Write any one use of geotextiles.
- Q.11 Name two types of medical textiles used in the healthcare sector.
- Q.12 What is non woven fabric? Give an example of its use.

SECTION-C

Note: Short answer type Questions. Attempt any eight questions out of ten Questions. $(8 \times 4 = 32)$

- Q.13 What are medical textiles? Explain their importance in healthcare with examples.
- Q.14 What are the key properties required for textiles used in rainwear?
- Q.15 Discuss the properties that make textiles suitable for use in surgical gowns.
- Q.16 What are moisture wicking fabrics, and why are they essential in sportswear?
- Q.17 What role do protective textiles play in the military? Mention one example.
- Q.18 How do technical textiles enhance the performance of sports clothing?
- Q.19 What is the function of geotextiles in construction and civil engineering?