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Roll No. ....

222754A

**5th Sem.  
Branch : Textile Technology  
Subject : Technical Textiles**

Time : 3 Hrs.

M.M. : 60

**SECTION-A**

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

- Q.1 What is meaning of "Geo" in Geo-textiles?  
a) Water                          b) Oil  
c) Soil                            d) Gas
- Q.2 Which of the following is an implantable medical textile?  
a) Bandage                      b) Vascular grafts  
c) Diaper                        d) Surgical mask
- Q.3 Which natural fiber find application in geo-textiles?  
a) Cotton                        b) Silk  
c) Wool                            d) Jute
- Q.4 Mobiltech is related to ?  
a) Automobile                    b) Agriculture  
c) Environment                    d) Medical

- Q.5 Name the process used to join multiple fabrics using thermal energy?  
a) Singeing                  b) Decaturation  
c) Lamination              d) Boiling
- Q.6 What is the function of Geotextiles?  
a) Separation              b) Drainage  
c) Reinforcement            d) All of the above

### Section-B

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

- Q.7 Sports surfaces are made up to \_\_\_\_\_ fibre (Nylon/wool)
- Q.8 \_\_\_\_\_ is an example of automotive textile. (Seatbelt/Converbelt)
- Q.9 Name any one polymeric material used for coating.
- Q.10 Name the material used of making bio degradable sutures.
- Q.11 Belts and cords are an example of \_\_\_\_\_ textiles. (Industrial/Medical)
- Q.12 Water proof breathable material find application in \_\_\_\_\_ textiles. (Sports/Medical)

### Section-C

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

- Q.13 Write a note on fibres used in geo-textiles and their properties?

- Q.14 Write the applications of Geo textiles.
- Q.15 Which fibres are used for protection from electromagnetic radiation. Explain their properties in brief?
- Q.16 Write a short note on fibres used in medical textiles and their properties?
- Q.17 Name the fibres used in sports Textiles and their specific properties?
- Q.18 What are the fibres used in packaging and explain their specific properties?
- Q.19 Define sports textiles and write its applications?
- Q.20 Draw a flowchart of production cycle for non-woven textiles?
- Q.21 Write a note on application of protective textiles?
- Q.22 Write the applications of Industrial Textile?

### Section-D

**Note:** Long answer questions. Attempt any two question out of three Questions.  $(2 \times 8 = 16)$

- Q.23 Classify technical textiles according to application. Explain them in brief?
- Q.24 Define Geo-Textile. Explain its applications in detail?
- Q.25 Explain in detail about various applications of medical textiles?