

- Q.30 What are the fibres used in packaging and explain their specific properties?
- Q.31 Define sports textiles and write its application?
- Q.32 Explain fabric coating process?
- Q.33 Draw a flowchart of production cycle for non-woven textiles?
- Q.34 Discuss the scope of technical textiles?
- Q.35 Write a note on application of protective textiles?

## SECTION-D

**Note:** Long Answer type question. Attempt any two questions. (2x10=20)

- Q.36 Classify technical textiles according to application. Explain them in brief?
- Q.37 Explain the detail about various application of medical textiles?
- Q.38 Define Geo-textile. Explain its application in detail?

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**5th Sem / Textile Processing/ Textile Technology**  
**Subject : Technical Textiles**

**Time : 3 Hrs.**

**M.M. : 100**

## SECTION-A

**Note:** Multiple choice questions. All questions are compulsory. (10x1=10)

- Q.1 Which natural fiber find application in geo-textiles?
  - a) Cotton
  - b) Silk
  - c) Wool
  - d) Jute
- Q.2 What is meaning of “Geo” in Geo-textiles?
  - a) Water
  - b) Oil
  - c) Soil
  - d) Gas
- Q.3 On the basis of application technical textiles can be classified in \_\_\_\_\_ segments?
  - a) 12
  - b) 30
  - c) 25
  - d) 02
- Q.4 Which synthetic fiber is most widely used in geo-textiles?
  - a) Silk
  - b) Polyester
  - c) Acrylic
  - d) Cotton
- Q.5 What is the function of Geotextiles?
  - a) Separation
  - b) Drainage
  - c) Reinforcement
  - d) All of the above

- Q.6 Name the process used to join multiple fabrics using thermal energy?
- a) Singeing                      b) Decatization  
c) Lamination                  d) Boiling
- Q.7 Which fiber is most widely used in wet filtration?
- a) Polypropylene              b) Viscose  
c) Wool                              d) Silk
- Q.8 How many types of web formation methods are there in non-wovens?
- a) 1                                      b) 2  
c) 4                                      d) 8
- Q.9 Mobiltech is related to?
- a) Automobile                      b) Agriculture  
c) Environment                      d) Medical
- Q.10 Which of the following is an implantable medical textile?
- a) Bandage                              b) Vascular grafts  
c) Diaper                                  d) Surgical mask

### SECTION-B

- Note:** Objective type questions. All questions are compulsory. (10x1=10)
- Q.11 Waterproof breathable material find application in \_\_\_\_\_ textiles?
- Q.12 Sports surfaces are made up of \_\_\_\_\_ Fibre?
- Q.13 Name any one polymeric material used for coating

- Q.14 Name any one speciality fibres used in medical textiles?
- Q.15 Name the material used for making biodegradable sutures?
- Q.16 Pressure Garments are an example of \_\_\_\_\_ textiles?
- Q.17 Belts and cords are an example of \_\_\_\_\_ textiles?
- Q.18 Name the fibre used in making bullet proof fabrics?
- Q.19 Name the fibre used in food packaging?
- Q.20 Write an example of industrial textile?

### SECTION-C

- Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)
- Q.21 Explain the fabric lamination process?
- Q.22 Write a short note on filter fabrics?
- Q.23 Write a note on fibres used in geo-textiles and their properties?
- Q.24 Write a short note on fibres used in medical textiles and their properties?
- Q.25 Explain the role of carpet in auto-textiles?
- Q.26 Write the applications of pack-tech?
- Q.27 Which fibres are used for protection from electromagnetic radiation. Explain their properties in brief?
- Q.28 Name the fibres used in sports Textiles and their specific properties?
- Q.29 Explain in short about high visibility fabrics?