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Time : 3 Hrs.

SECTION-A

Q.1 What is meaning of "Geo" in Geo-textiles?

- Q.2 Which of the following is an implantable medical textile?

- Q.3 Which natural fiber find application in geo-textiles?

- Q.4 Mobiltech is related to ?

- $$(160)$$

(4)

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- Q.5 Name the process used to join multiple fabrics using thermal energy?
- a) Singeing b) Decatisation
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. (6x1=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. (8x4=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. (2x8=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?