

Roll No.....

Total No. of Printed Pages: [1]

Total No. of Questions: [11]

M.Tech. Textile Engg. (Part-Time) (Semester – 4th)

TECHNICAL TEXTILE

Subject Code: MTEXD1-223

Paper ID: 22201118

Time: 03 Hours

Maximum Marks: 60

Instruction for candidates:

1. Section A is compulsory. It carries 16 marks. It consists of 4 questions of 4 marks each.
2. Section B consist of 4 questions of 8 marks each. The student has to attempt any 3 questions out of it.
3. Section C consist of 3 questions of 10 marks each. The student has to attempt any 2 questions.

Section – A

(4 marks each)

- Q1. What are the types of filters used in Textile Industries? Explain with an example.
- Q2. What do you mean by geosynthetics and Geonaturals. Explain.
- Q3. What is meant by health care and hygiene products, Explain?
- Q4. Why nonwoven fabrics are used in aerosol filtration.

Section – B

(8 marks each)

- Q5. How will you manufacture flame retardant fabrics. State methods for the preparation of FR fabrics.
- Q6. What are the properties required for sports textiles. State the name of the important fibres used in the sports textiles
- Q7. What do you meant by functional properties of geotextile. Explain with suitable diagram.
- Q8. What are the essential characteristics of Military Textiles. Explain essential features of bullet proof jacket.

Section – C

(10 marks each)

- Q9. State the growth and potential of Technical textile markets in India. Write the applications of Technical Textile in different areas.
- Q10. Why moisture transmission is important in Textiles. State the mechanism of liquid absorption phenomenon in the fabrics.
- Q11. Write short notes on the following:- a. Features of parachute fabrics b. Application of Textile in Agriculture.