R7245	Sub. Code
	9MF3C1

M.Voc. DEGREE EXAMINATION, NOVEMBER – 2022.

Third Semester

Fashion Technology

TECHNICAL TEXTILES

(CBCS – 2019 onwards)

Time : 3 Hours   Maximum : 75 Marks

Part A   (10 × 2 = 20)

Answer **all** questions.

1. What are the applications of technical textiles in apparel industry?

2. Define carbon fibre.

3. Describe the properties of Kevlar fibre as a high-performance fibre.

4. What is sport tech? Explain it.

5. Describe the functions of Agro textiles.

6. How does wound dressing works as a non-implantable material?

7. Describe about Artificial tendons.

8. Define flame retardant finish.

9. List out the end uses of military and Defence garments.

10. Define the classification of home textiles.

Part B   (5 × 5 = 25)

Answer **all** questions, choosing either (a) or (b).

11. (a)   Is that technical textiles have future growth in apparel industry? Justify it.

Or

(b)   Describe about ultra-fine and novelty fibres in technical textile application.

12. (a)   Explain the types of agrotech products and its functions.

Or

(b)   Describe the fibres and raw materials involved in the production of geo textiles.

13. (a)   How does technical textile works on producing vascular grafts and hernia net?

Or

(b)   Describe briefly about breathable and waterproof fabrics.

14. (a)   What are all the properties needed for camouflage textiles.

Or

(b)   Distinguish between implantable and non-implantable medical textiles.

15. (a)   What is UV wave band? Explain it in detail.

Or

(b)   Enumerate the usage of technical textile fibres in home textiles.

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Answer any **three** questions.

16. Describe briefly about high performance fibre and its applications.

17. Enumerate on functions and properties of geo textiles.

18. Explain in detail about the growth of technical textiles in Agrotech and sport tech.

19. Define protective garments. What are all the fields that protective garments can be used?

20. Enumerate on classification, function and properties of home textiles.

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M.Voc. DEGREE EXAMINATION, NOVEMBER – 2022

Third Semester

Fashion Technology

TEXTILE TESTING

(CBCS – 2019 onwards)

Time : 3 Hours   Maximum : 75 Marks

Part A $(10 \times 2 = 20)$

Answer **all** questions.

1.   Define Random sample.

2.   What is sampling?

3.   Define Fiber fineness.

4.   What is Maturity ratio of the fiber?

5.   Write the Principle of CRT.

6.   What is the relation between Denier and Tex?

7.   What is GSM? Name two methods used for measuring GSM?

8.   What is the significance of the crease recovery angle?

9.   Define whiteness index.

10.   How to calculate the Spirality of Fabric?

Part B $(5 \times 5 = 25)$

Answer **all** questions, choosing either (a) or (b).

11. (a) Give outline about factors governing sampling.

Or

(b) Write about the sampling technique and purpose of sampling.

12. (a) Give outline about single and bundle fiber strength.

Or

(b) Illustrate about the Shirley trash analyzer.

13. (a) Give outline about yarn numbering system.

Or

(b) Explain about the uster evenness tester.

14. (a) Write the function of ICI pilling tester.

Or

(b) Give details about the fabric tearing tester.

15. (a) Describe about the computer color matching.

Or

(b) Explain the measurement of dimensional stability.

Part C $(3 \times 10 = 30)$

Answer any **three** questions.

16. Explain about the type of sampling.

17. Give details about the length distribution of cotton fiber.

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18. Illustrate about the yarn strength tester.

19. Elucidate about the bursting strength tester.

20. Explain about the garment seam strength and spirality testing.

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R7247	Sub. Code
	9MF3E2

M.Voc. DEGREE EXAMINATION, NOVEMBER – 2022

Third Semester

Fashion Technology

LEAN MANUFACTURE IN APPAREL INDUSTRY

(CBCS – 2019 onwards)

Time : 3 Hours   Maximum : 75 Marks

Part A   (10 × 2 = 20)

Answer **all** questions.

1.   What is lean manufacturing?

2.   What are the five principles of lean manufacturing?

3.   What is meant by critical to quality?

4.   What is tact time?

5.   Expand-DMAIC.

6.   What is sampling?

7.   What is EOQ?

8.   Define inventory control.

9.   What are lean manufacturing tools for garment industry?

10. Expand TPM.

Part B $(5 \times 5 = 25)$

Answer **all** questions, choosing either (a) or (b).

11. (a) Discuss about history of lean manufacturing.

Or

(b) What are the concepts of 5s lean manufacturing?

12. (a) What are the steps in value stream mapping? Explain.

Or

(b) Explain about pull and push system of manufacturing.

13. (a) What is the difference between variable and attribute sampling?

Or

(b) Explain about ZED model.

14. (a) How do you calculate EOQ in inventory control?

Or

(b) Explain about concepts of EOQ in inventory control.

15. (a) How does WIP affect through put?

Or

(b) Explain about cellular production system.

Part C $(3 \times 10 = 30)$

Answer any **three** questions.

16. Explain in detail about lean manufacturing Toyata system.

17. Explain in detail about concepts of JIT.

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18. What are the five basic methods of statistical analysis? Explain in detail.

19. Discuss about KAIZEN inventory management.

20. Explain in detail about concepts and application of lean manufacturing for garment industry.

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