



M.TECH DEGREE EXAMINATIONS: JUNE 2017

(Regulation 2015)

Second Semester

APPAREL TECHNOLOGY

P15ATE202: Home Textiles

COURSE OUTCOMES

- CO1:** Identify the most suitable fabrics for home textile application
- CO2:** Formulate a suitable finish depending on the end use in the field of home textiles
- CO3:** Identify and develop home textile products for home and commercial applications
- CO4:** Develop home textile products based on international performance requirements, eco standards and international market requirements
- CO5:** Evaluate the performance of home textile products as per standards

Time: Three Hours

Maximum Marks: 100

Answer all the Questions:-

PART A (10 x 1 = 10 Marks)

1. Assertion (A): Increasing consumption trends has brought about a boost in the sales of home furnishing CO1 [K₄]
Reason (R): Rapid expansion in the hospital, hotel and the housing sector has created a demand for home textiles.
- a) Both A and R are false and R is the correct explanations of A b) Both A and R are false and R is NOT the correct explanations of A
- c) Both A and R are true and R is NOT the correct explanations of A d) Both A and R are true and R is the correct explanations of A
2. The home furnishings made up of ____ fiber provides high degree of resilient and warmth to the room. CO1 [K₂]
- a) Nylon b) Wool
- c) Cotton d) Silk
3. The -----are usually made from uncut warp pile weaves woven in widths of 16 to 28 inches and include jacquard and florals CO2 [K₂]
- a) Bath Robes b) Bath Towels
- c) Bath mats d) Bath linen

4. Match the following and select the correct answer using the codes given below

[K₃]

CO1,
2

List I		List II	
A. Table linen		i. Floor Coverings	
B. Dhurries		ii. Decorative Pillow cases	
C. Shams		iii. Gurgling sound	
D. Water mattress		iv. Doilies	

- | | A | B | C | D |
|----|-----|-----|-----|----|
| a) | ii | i | iii | iv |
| b) | iv | iii | ii | i |
| c) | ii | iv | iii | i |
| d) | iii | i | ii | iv |

5. Assertion (A): All textile fibers imported to the UK have to be labelled

CO4, [K₄]
CO5

Reason (R) : The Textile Fibre Products Identification Act requires that the type of fibre and the percentage by weight of each constituent must be listed.

- a) Both A and R are Individually true and R is the correct explanation of A
- b) Both A and R are Individually true but R is not the correct explanation of A
- c) A is true but R is false
- d) A is false but R is true

6. Performance requirement for home textile products for export market to USA, Canada and United Kingdom are determined by

CO3 [K₂]
CO4

- a) Respective governments
- b) Supply chain merchants
- c) Major buyers & customer expectations
- d) Local state governments

7. Which of the following statement(s) is/are true?

CO1 [K₃]

1. A drapery is made of very heavy material.
2. Curtains and draperies are used one over the other
3. Flame Retardant agents may cause adverse effects on fabric.
4. As per the coating theory, the flame retardant fusible substances melt to curtail the fire.

- a) 1,4
- b) 2,3
- c) 2, 4
- d) 1,2

8. Identify the number of wash and dry cycles after which the bed sheets and table linen are tested for shrinkage performance in Europe market.

CO4 [K₂]

- a) 5
- b) 2
- c) 4
- d) 3

9. The performance standard for visual AATCC test standard of batting CO5 [K₂]
- a) Colour change b) No disintegration and noticeable lumpiness
- c) Staining d) No bleeding of colour
10. Identify the sequence of steps to measure flammability of curtains. CO5 [K₃]
1. The time interval for the flame to spread from one trip thread to another is recorded.
2. The test method is to check the flammability of vertically hung specimens.
3. A small flame is used to ignite the specimen
4. The time taken for the flame to spread up the specimen is recorded.
5. Trip threads are used to measure the distance.
- a) 2, 5, 3, 4, 1 b) 4, 2, 5, 1, 3
- c) 3, 1, 5, 4, 2 d) 5, 2, 4, 3, 1

Answer all the Questions:-

PART B (10 x 2 = 20 Marks)

11. Enlist the different types of manufacturing technique for nonwovens used in home textiles. CO3 [K₂]
12. State about the role of hooks in home furnishing. CO1 [K₂]
13. Reason why flame retardancy finishes are given to home textiles for a baby's bedroom. CO2 [K₂]
14. Prepare a care and maintenance regime for carpets and rugs. CO2 [K₃]
15. Outline about the different linens that comprise a finished bed in a five star hotel. CO3 [K₃]
16. Furnish the significance of various sizes of blankets used in bed linens. CO3 [K₃]
17. Classify the Made ups and its uses in home and hospitals. CO4 [K₄]
18. Infer the special finishes suitable for kitchen linen and beddings to enhance their performance. CO4 [K₃]
19. Distinguish between the performance requirements for home textiles in USA and EU. CO5 [K₄]
20. Appraise the regulatory test standard for bed sheets and kitchen towels. CO5 [K₅]

Answer all the Questions:-

PART C (6 x 5 = 30 Marks)

21. 'New Sustainable fiber selection and application in the field of Home Textiles is the need of the hour' - Justify the statement. CO1 [K₅]
22. Discuss the key growth drivers which help in creating a demand for the production of home textiles. CO2 [K₄]
23. Enumerate the salient features of window dressings as an important sector in home textiles. CO2 [K₂]

24. Illustrate and explain the step by step construction procedure for mattress and mattress covers. CO3 [K₆]
25. Discuss about the different eco-friendly standards used in home textiles with suitable examples. CO4 [K₃]
26. Describe briefly about the Sensory perception technology and its advantages in home textiles CO4, 5 [K₂]

Answer any FOUR Questions

PART D (4 x 10 = 40 Marks)

27. 'Home Textiles form an integral part of the current Indian Exports' - Discuss. CO1 [K₄]
28. Discuss about the different types of home furnishings used in the modern home and infer the factors affecting the selection of home furnishings CO2,3 [K₂]
29. 'The labeling requirements of Home Textile products are important in UK & Canada for consumer information and knowledge' – Justify. CO3,4, 5 [K₅]
30. Explain the methodology for testing the Antimicrobial requirement of any two home textile products in the category of bed linen. CO4,5 [K₃]
31. Regulatory tests for carpets and rugs are essential tests for identification of performance and prevention of risks of death, personal injury and property damage' – Discuss and explain with suitable tests. CO 4,5 [K₅]
