

**R0133**

**Sub. Code**

**2MF1C1**

**M.Voc. DEGREE EXAMINATION, NOVEMBER – 2023**

**First Semester**

**Fashion Technology**

**ADVANCED TEXTILE SCIENCE**

**(CBCS – 2022 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 1 = 10)

Answer **all** the following objective questions  
by choosing the correct option.

1. Recall the fiber that is composed of alumina and silica  
(CO1, K1)  
(a) Glass                      (b) Carbon  
(c) Ceramic                  (d) Kevlar
2. Choose the fiber that is used in medical, health and  
pharmacological fields.                      (CO1, K1)  
(a) Glass                      (b) Carbon  
(c) Chitosan                  (d) Kevlar
3. Which of the following uses a unique air technology to  
twist yarns?                                      (CO2, K1)  
(a) Rotor                      (b) Friction  
(c) Vortex                      (d) Compact
4. Identify the process that is responsible for straightening  
the curled and hooked fibers                      (CO2, K3)  
(a) Carder                      (b) Draw frame  
(c) Fly frame                  (d) Ring frame

5. Identify the difference between multi phase and single phase weaving mechanism. (CO3, K3)
- (a) Number of sheds formed
  - (b) Number of picks inserted
  - (c) Speed
  - (d) all the above
6. Name the process in which filling of yarn is done by small metal device resembling a bullet. (CO3, K1)
- (a) Water jet
  - (b) Air jet
  - (c) Rapier
  - (d) Projectile
7. How can fine tuning of texture, appearance and performance of socks be achieved? (CO4, K1)
- (a) Variation in knitting needle cycle
  - (b) Variation in Knitting cylinder
  - (c) Change of Creel
  - (d) Variation of needles
8. What do you call a delicate fabric made of yarn or thread in an open web like pattern called? (CO4, K1)
- (a) Net
  - (b) Woven
  - (c) Felt
  - (d) Lace
9. Name the textiles that have been created through a process of bonding fibers together. (CO5, K1)
- (a) Woven
  - (b) Warp knitting
  - (c) Non woven
  - (d) Weft Knitting
10. Identify the bonding technique used in Needle punching (CO5, K1)
- (a) Chemical
  - (b) Mechanical
  - (c) Thermal
  - (d) Adhesive

**Part B**

(5 × 5 = 25)

Answer **all** the questions not more than 500 words each.

11. (a) Outline the properties and uses of Pineapple fibers.  
(CO1, K2)

Or

- (b) Summarize the properties of banana fiber. (CO1, K2)

12. (a) Explain the working of a blow room. (CO2, K2)

Or

- (b) Predict the properties and uses of compact spun yarns. (CO2, K3)

13. (a) Describe the working principle of Air jet loom.  
(CO3, K2)

Or

- (b) Outline about weft insertion in a projectile loom.  
(CO3, K2)

14. (a) Discuss the recent developments in knitting.  
(CO4, K4)

Or

- (b) Summarize about socks knitting technology.  
(CO4, K2)

15. (a) Outline about braiding. (CO5, K2)

Or

- (b) Summarize the applications of Non woven fabrics.  
(CO5, K2)

**Part C**

(5 × 8 = 40)

Answer **all** questions not more than 1000 words each.

16. (a) Compare the properties of any two high performing fibers. (CO1, K2)

Or

- (b) Discuss about elastomeric yarn and its uses. (CO1, K4)

17. (a) Explain the principle of yarn formation in rotor spinning. (CO2, K2)

Or

- (b) Discover the principle of yarn formation in vortex spinning machine. (CO2, K3)

18. (a) Summarize the working of rapier loom and weft insertion system. (CO3, K4)

Or

- (b) Compare single phase and multiphase weaving machine. (CO3, K5)

19. (a) Describe a V bed flat knitting machine. (CO4, K3)

Or

- (b) Outline about circular weft knitting machine. (CO4, K2)

20. (a) Explain the types of web bonding techniques in Non Woven production. (CO5, K2)

Or

- (b) Summarize the web formation techniques in Non woven production. (CO5, K2)

**R0134**

**Sub. Code**

**2MF1G1**

**M.Voc. DEGREE EXAMINATION, NOVEMBER – 2023**

**First Semester**

**Fashion Technology**

**HISTORIC, WORLD COSTUMES AND TEXTILES**

**(CBCS – 2022 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 1 = 10)

Answer **all** the following objective questions by choosing the correct options.

1. Beginning of dress in the form of —————. (CO1, K1)  
(a) Costume                      (b) Draping  
(c) Body decoration      (d) All the above
  
2. The first stage was cloth from ————— fibers.  
(CO3, K2)  
(a) plant                      (b) animal  
(c) wool                      (d) silk
  
3. The first known use of the word “sewing” was in the  
————— century. (CO4, K3)  
(a) 15<sup>th</sup>                      (b) 14<sup>th</sup>  
(c) 13<sup>th</sup>                      (d) 16<sup>th</sup>

4. Ancient Egyptian women wore a simple sheath dress called a \_\_\_\_\_. (CO5, K3)  
(a) Kalasiris (b) Kayabandh  
(c) Sondaka (d) Uttariya
5. The \_\_\_\_\_ was considered Rome's National costume. (CO4, K3)  
(a) Shoes (b) Salwar  
(c) Toga (d) None of these
6. The female costume of Haly is pleated skirt called \_\_\_\_\_. (CO4, K6)  
(a) Camicia (b) Gonna  
(c) Fazzoletto (d) All the above
7. \_\_\_\_\_ traditional Korean dress. (CO4, K5)  
(a) Yukata (b) Kimono  
(c) Hanbok (d) Tunic
8. \_\_\_\_\_ are simple, straight-seamed garments. (CO5, K6)  
(a) Fazzoletto (b) Kimono  
(c) Gonna (d) Camicia
9. The \_\_\_\_\_ is the traditional dress worn by men in East Africa. (CO5, K4)  
(a) Kanzu (b) Kanga  
(c) Madiba (d) Shirt
10. The \_\_\_\_\_ is a loose, wide-sleeved robe worn by North and Western African men. (CO6, K4)  
(a) Agbada (b) Salwar  
(c) Kameez (d) Madiba

**Part B**

(5 × 5 = 25)

Answer **all** the questions not more than 500 words each.

11. (a) Give a short note on Invention of the needle.  
(CO3, K1)

Or

- (b) Write the costumes of Mesopotamian. (CO2, K2)

12. (a) What is the traditional Costume in French?  
(CO4, K3)

Or

- (b) What was the costume in ancient civilization Egyptian?  
(CO5, K3)

13. (a) Write the costumes of Sweden. (CO2, K3)

Or

- (b) Explain the traditional costume of Haly. (CO5, K6)

14. (a) What is the difference between hanfu and hanbok?  
(CO4, K4)

Or

- (b) Give a short note on Srilanka Costume. (CO5, K6)

15. (a) Explain African traditional costume. (CO3, K4)

Or

- (b) Explain costumes of Arab. (CO3, K4)

**Part C**

(5 × 8 = 40)

Answer **all** the questions not more than 1000 words each.

16. (a) Explain in detail about Body decoration and ornamentation. (CO1, K1)

Or

- (b) Write in detail about the costumes of Babylonian. (CO3, K2)

17. (a) Elaborate on Roman Costumes. (CO4, K3)

Or

- (b) Write the costumes of Greece. (CO4, K3)

18. (a) Explain in briefly about Germany costumes. (CO5, K3)

Or

- (b) Briefly explain about the costumes of France. (CO5, K6)

19. (a) Write about the costumes of Pakistan. (CO4, K5)

Or

- (b) Explain costumes of Thailand. (CO5, K6)

20. (a) Describe about women's costumes of different states of America. (CO3, K4)

Or

- (b) Briefly explain costumes of Peninsula. (CO3, K4)



**R0135**

**Sub. Code**

**2MF1G2**

**M.Voc. DEGREE EXAMINATION, NOVEMBER – 2023**

**First Semester**

**Fashion Technology**

**ECO TEXTILES AND SUSTAINABILITY**

**(CBCS – 2022 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 1 = 10)

Answer **all** the following objective questions by choosing the correct option

1. \_\_\_\_\_ refers to all fabrics, clothing and accessories that have been manufactured, produced, and processed in an environmentally-conscious manner. (CO1, K1)  
(a) Smart textile (b) Eco-textile  
(c) Technical textile (d) None of these
2. \_\_\_\_\_ is a certification mark issued by the BIS for products. (CO1, K1)  
(a) Eco-label (b) Eco-audit  
(c) Eco-mark (d) None of these
3. Which of the following one is a hard, short and coarse fiber and extracted from the shells of coconut? (CO2, K1)  
(a) Pineapple (b) Coir  
(c) Sisal (d) Nettle

4. Which one is a hard and coarser leaf fiber? (CO2, K2)  
 (a) Coir (b) Nettle  
 (c) Pineapple (d) Sisal
5. \_\_\_\_\_ is used to produce shades of red on textiles. (CO3, K2)  
 (a) Cutch (b) Tesu  
 (c) Walnut rind (d) Madder
6. \_\_\_\_\_ is known as king of all natural dyes. (CO3, K4)  
 (a) Cutch (b) Madder  
 (c) Indigo (d) Pomegranate rind
7. Which methodologies to induce the ionization of plasma gas for textile treatment? (CO4, K4)  
 (a) Glow-discharge  
 (b) Corona discharge  
 (c) Dielectric barrier discharge  
 (d) All of these
8. SA 8000 is \_\_\_\_\_ (CO5, K4)  
 (a) Social audit (b) Social accountability  
 (c) Social awareness (d) None
9. Up-cycling is also known as \_\_\_\_\_ (CO5, K4)  
 (a) Reuse (b) Creative reuse  
 (c) Reduce (d) Recycling
10. \_\_\_\_\_ is the process of converting waste materials into new materials and objects. (CO5, K5)  
 (a) Recycling (b) Up-cycling  
 (c) Reuse (d) Reduce

**Part B**

(5 × 5 = 25)

Answer **all** the questions not more than 500 words each.

11. (a) Explain briefly about the ecosystem. (CO1, K1)

Or

- (b) Give a short note on eco-mark. (CO1, K1)

12. (a) Explain briefly about jute fibre. (CO2, K2)

Or

- (b) Describe about coir fibre. (CO2, K2)

13. (a) Explain the characteristics of natural dyes. (CO3, K4)

Or

- (b) Explain about pre-mordanting. (CO3, K6)

14. (a) Give short notes on enzyme technology. (CO4, K4)

Or

- (b) Write a note on SA8000. (CO4, K4)

15. (a) Explain about carbon foot print. (CO5, K5)

Or

- (b) Explain about water foot print. (CO5, K5)

**Part C**

(5 × 8 = 40)

Answer **all** the questions not more than 1000 words each.

16. (a) Write brief note on importance and need of eco textiles. (CO1, K2)

Or

- (b) Describe in detail about eco-auditing and eco-labelling. (CO1, K2)

17. (a) Explain the extraction method of natural fibre-retting process. (CO2, K2)

Or

- (b) Explain in detail about the protein fibres. (CO2, K2)

18. (a) Write brief note on extraction process of natural dyes. (CO3, K4)

Or

- (b) Discuss in detail about application of natural dyes. (CO3, K6)

19. (a) Discuss about foam technology and plasma technology (CO4, K4)

Or

- (b) Describe on traditional plants and herbs used for natural finishing (CO4, K4)

20. (a) Give a short notes on (i) recycling and (ii) up cycling (CO5, K5)

Or

- (b) Explain sustainability in fashion industry. What is the impact of environment on it? (CO5, K5)

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**R0136**

**Sub. Code**

**2MF1C2**

**M.Voc. DEGREE EXAMINATION, NOVEMBER – 2023**

**First Semester**

**Fashion Technology**

**APPAREL PRODUCTION PLANNING AND CONTROL**

**(CBCS – 2022 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 1 = 10)

Answer **all** the following objective questions by choosing the correct option.

1. What is the primary goal of production planning and control? (CO1, K1)
  - (a) Maximizing profits
  - (b) Minimizing production delays
  - (c) Minimizing costs
  - (d) Maximizing sales
  
2. Which of the following is a key function of production planning and control? (CO1, K1)
  - (a) Marketing analysis
  - (b) Inventory management
  - (c) Human resources management
  - (d) Financial planning

3. What is the primary consideration when choosing a plant location? (CO3, K3)
- (a) Proximity to competitors
  - (b) Availability of skilled labor
  - (c) Tax incentives
  - (d) Low transportation costs
4. Which type of plant layout arranges workstations in a U-shape with a central area for materials? (CO4, K6)
- (a) Process layout
  - (b) Cellular layout
  - (c) Fixed position layout
  - (d) Product layout
5. Which production system is characterized by producing garments based on specific customer orders, minimizing the need for excess inventory? (CO5, K4)
- (a) Mass production system
  - (b) Custom tailoring system
  - (c) Batch production system
  - (d) Quick Response (QR) system

6. Which type of production system is suitable for producing customized garments based on individual customer measurements and preferences? (CO5, K4)
- (a) Mass production system
  - (b) Batch production system
  - (c) Custom tailoring system
  - (d) Lean production system
7. \_\_\_\_\_ denotes the first production garments quality parameters are verified and what is the primary objective of a “just-in-time (JIT)” inventory system? (CO2, K5)
- (a) Minimizing lead times
  - (b) Maximizing inventory levels
  - (c) Reducing material handling costs
  - (d) Increasing storage space
8. Which inventory control method aims to maintain a specific, constant quantity of an item in stock and reorder when that quantity is reached? (CO3, K5)
- (a) Economic Order Quantity (EOQ)
  - (b) Just-in-Time (JIT)
  - (c) ABC analysis
  - (d) Kanban system

9. What is the purpose of “line balancing” in apparel production? (CO4, K2)
- (a) Increasing worker fatigue
  - (b) Allocating orders
  - (c) Maximizing defects
  - (d) Achieving uniform work distribution
10. In apparel production planning, what is “efficiency” typically measured by? (CO5, K6)
- (a) The number of employees
  - (b) The number of sewing machines
  - (c) The ratio of production and resources consumed
  - (d) The cost of raw materials

**Part B** (5 × 5 = 25)

Answer **all** questions not more than 500 words each.

11. (a) Describe the duties and responsibilities of production manager. (CO1, K1)

Or

- (b) Describe about product data management.(CO2, K1)

12. (a) Discuss about the plant site location. (CO4, K3)

Or

- (b) Discuss about the basic production line layout. (CO5, K6)



13. (a) Explore the process flow Grid construction. (CO6, K4)

Or

- (b) Explore the cut order planning. (CO5, K4)

14. (a) Explain about OPT. (CO5, K5)

Or

- (b) Compare the conventional and automation material handling method. (CO4, K5)

15. (a) Illustrate the factory machine requirements. (CO3, K2)

Or

- (b) Explain about conveyer system. (CO5, K6)

**Part C** (5 × 8 = 40)

Answer **all** questions not more than 1000 words each.

16. (a) What is the function of apparel production department. (CO1, K1)

Or

- (b) Describe about functions of pre-production. (CO2, K1)

17. (a) Discuss about plant layout. (CO4, K3)

Or

- (b) Discuss about production layout. (CO5, K6)

18. (a) Explain about types of spreading. (CO3, K4)

Or

(b) Compare the UPS with Modular production system. (CO2, K4)

19. (a) Explain about PERT analysis. (CO1, K5)

Or

(b) Explain about JIT and EOQ. (CO4, K5)

20. (a) Outline about Line Balancing. (CO3, K2)

Or

(b) Illustrate about TAKT time Analysis. (CO5, K6)

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**R0137**

**Sub. Code**

**2MF1E1**

**M.Voc DEGREE EXAMINATION, NOVEMBER – 2023**

**First Semester**

**Fashion Technology**

**Elective: HOME TEXTILES**

**(CBCS – 2022 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 1 = 10)

Answer **all** following objective questions

by choosing the correct option

1. Which town is famous for home textiles? (CO1, K1)  
(a) Salem (b) Karur  
(c) Madurai (d) Erode
2. Home Textile is segment of \_\_\_\_\_ (CO1, K1)  
(a) Industrial Textiles  
(b) Technical Textiles  
(c) Clothing Textiles  
(d) Agro Textiles
3. The major producer of woollen home textile product is (CO2, K2)  
(a) Panipat (b) Surat  
(c) Ludhiana (d) Mumbai

4. The short or floor length curtain that are hung close to the window without drawn pulls \_\_\_\_\_ (CO2, K3)
- (a) Cafe curtains      (b) Blinds  
(c) Glass curtains      (d) Shades
5. Which of the following is not used for filling bolster?  
(CO3, K5)
- (a) Buckwheat      (b) Cotton  
(c) Polyester      (d) Jute
6. A fabric case filled with resilient material used either alone as a bed or on a bedstead. (CO4, K5)
- (a) Bed sheet      (b) Bed spread  
(c) Mattress      (d) Mattress cover
7. The state which is the largest producer of carpet in India?  
(CO5, K4)
- (a) Rajasthan      (b) Uttar Pradesh  
(c) Madhya Pradesh      (d) Gujarat
8. Which of the following fiber is not used in terry towel manufacturing? (CO3, K6)
- (a) Linen      (b) Rayon  
(c) Bamboo      (d) Modal
9. An ornamental mat made of paper or fabric is \_\_\_\_\_  
(CO4, K3)
- (a) Rugs      (b) Doilies  
(c) Coaster      (d) Placemats

10. A small mat underneath a dining plate to protect the table is \_\_\_\_\_ (CO6, K4)
- (a) Table runner      (b) Table cloth
- (c) Placemats      (d) Doilies

**Part B** (5 × 5 = 25)

Answer **all** questions, not more than 500 words each

11. (a) Give a brief note on major home furnishing centres in India. (CO1, K1)

Or

- (b) Enumerate on Home Textiles. (CO1, K1)

12. (a) Explain the types of draperies. (CO2, K2)

Or

- (b) Discuss the requirements of Wall coverings. (CO2, K3)

13. (a) Describe the use and care for bed linen. (CO3, K5)

Or

- (b) Distinguish Cushion and pillow. (CO4, K5)

14. (a) Elaborate on Terry towel manufacturing process. (CO5, K4)

Or

- (b) Discuss the use and care for floor covering. (CO3, K6)

15. (a) Write a short note on (i) Tea cozy (ii) Doilies (CO4, K3)

Or

- (b) Explain about reversible placemats. (CO6, K4)

**Part C**

(5 × 8 = 40)

Answer **all** questions not more than 1000 words each.

16. (a) Discuss about woven home furnishing. (CO1, K1)

Or

- (b) Describe about any two finishes for home furnishing. (CO1, K1)

17. (a) Enumerate on types of window treatment. (CO2, K3)

Or

- (b) Define Wall covering. Give its benefits and applications. (CO3, K5)

18. (a) Explain the types bed linens. (CO4, K5)

Or

- (b) Elaborate on types of sofa. (CO5, K4)

19. (a) Give a brief note on size and design elements of Bath robe. (CO3, K6)

Or

- (b) Classify floor covering. (CO4, K3)

20. (a) Write a short note on Placemats. (CO6, K4)

Or

- (b) Explain about Table linens. (CO4, K3)

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