

R5844

Sub. Code

9MF1C1

M.Voc. DEGREE EXAMINATION, NOVEMBER – 2021

First Semester

Fashion Technology

ADVANCED TEXTILE SCIENCE

(CBCS – 2019 onwards)

Time : Three Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define polymer.
2. What are the differences between cellulosic and synthetic fibers?
3. What are the basic operations in the blow room?
4. What is roving?
5. Define weaving.
6. What are the basic motions of a loom?
7. What is the basic weft knitted structure?
8. Define warp knitting.
9. Define non-woven fabric.
10. What are the process variables of non-woven.

Part B

(5 × 5 = 25)

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

11. (a) Give broad classification of textile fibers.

Or

- (b) State the advantages and disadvantages of natural and manmade fibers.

12. (a) Explain the working principle of Chute feed System with a neat sketch.

Or

- (b) Discuss in detail about the opening devices used in Blow room with neat Sketches.

13. (a) State objects of warping and give its Classification.

Or

- (b) Explain the passage of material through pirn winding machine with suitable diagram.

14. (a) Describe important properties of plain single jersey fabrics.

Or

- (b) Discuss in detail manufacturing of net fabric.

15. (a) Describe the important fiber characteristics required for non-woven.

Or

- (b) Give outline about the application of non-woven.

Part C

(3 × 10 = 30)

Answer any **three** questions.

16. Give in detail about classification of Textile fiber.
 17. Define “Carding”. State and discuss the objects of Carding.
 18. Draw design, draft and peg plan of twill cloth.
 19. Explain the elements of weft knitting machine.
 20. Give out line about the web characteristics and its influence.
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R5845

Sub. Code

9MF1C2

M.Voc. DEGREE EXAMINATION, NOVEMBER – 2021

First Semester

Fashion Technology

APPAREL PRODUCTION, PLANNING AND CONTROL

(CBCS – 2019 onwards)

Time : Three Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. List the various functions/activities of PPC?
2. What is the importance of pre-production activities?
3. What is the Principles of Plant Layout?
4. What is the Limitations of Process Layout?
5. List the types of production system.
6. Define marker planning.
7. Define Just in Time (JIT).
8. Write down the difference between PERT and CPM
9. What is cycle Time?
10. Define line efficiency.

Part B

(5 × 5 = 25)

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

11. (a) Explain about lead time with example.

Or

- (b) Explain about production control.

12. (a) Explain about the different types of production layout.

Or

- (b) Discuss about space requirement.

13. (a) Write the difference between unit and bundle production system.

Or

- (b) Discuss about the selection of suitable production system.

14. (a) Explain about the importance of Gantt chart.

Or

- (b) How to calculate the CPM in apparel industry?

15. (a) How to calculate the M/C requirement of a new factory.

Or

- (b) What are the factors considered while line balancing?

Part C

(3 × 10 = 30)

Answer any **three** questions.

16. Discuss in detail about product development.
 17. Discuss in detail about government policies for plant layout.
 18. Discuss about spreading methods.
 19. Give out line about scheduling.
 20. Give out line about line balancing
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R5846

Sub. Code

9MF1G1

M.Voc. DEGREE EXAMINATION, NOVEMBER – 2021

First Semester

Fashion Technology

HISTORIC, WORLD COSTUME AND TEXTILE

(CBCS – 2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define hand printing.
2. Name any one French traditional costume.
3. Write a note on 16th century costume.
4. Write a note on English costume during middle ages.
5. Write about the Austria costume Dirndl.
6. Define Folk garments.
7. Define Karakul costume.
8. Define Taipon.
9. Write a note on South Africa costume.
10. Write about Turkey costume kirkclareli.

Part B

(5 × 5 = 25)

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

11. (a) Write a short note on costume and its process of change.

Or

- (b) Explain about roller printing.

12. (a) Explain briefly about Chiton – Exomie.

Or

- (b) Explain about the men's costumes of 18th century of America.

13. (a) Give a short note on costumes of Sweden.

Or

- (b) Give a short note on costumes of Poland.

14. (a) Write a note on costumes of Pakistan.

Or

- (b) Give a short note on China costumes.

15. (a) Write a note on costumes of West Africa.

Or

- (b) Explain briefly about Peninsula costumes.

Part C

(3 × 10 = 30)

Answer any **three** questions.

16. Explain about the costumes of French.
17. Discuss about the costumes of America.

18. Explain about costumes of European countries.
 19. Explain about the costumes of Japan.
 20. Describe about the costumes of Middle East countries.
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R5847

Sub. Code

9MF1G2

M.Voc. DEGREE EXAMINATION, NOVEMBER – 2021

First Semester

Fashion Technology

ECO TEXTILES AND SUSTAINABILITY

(CBCS – 2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define eco-auditing.
2. What is meant by eco-textiles?
3. Define extraction.
4. Define minor fibres.
5. Give any two examples for natural dyes.
6. What are the methods of dye extraction?
7. Mention the types of finishes.
8. Define toxicology.
9. What are the processes adopted for eco- friendliness?
10. Write a note on glow-discharge method.

Part B

(5 × 5 = 25)

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

11. (a) Explain about structures of ecosystem.

Or

- (b) Write a note on eco-labelling.

12. (a) Give a short notes on cotton fibre.

Or

- (b) Give a short notes on protein fibre.

13. (a) Explain about natural dyes and its types.

Or

- (b) Explain about post-mordanting.

14. (a) Give short notes on enzyme technology.

Or

- (b) Write a note on herps.

15. (a) Explain about corona discharge method.

Or

- (b) Explain about dielectric barrier discharge method.

Part C

(3 × 10 = 30)

Answer any **three** questions.

16. Elaborate on ecology.

17. Explain in detail about the natural fibres.

18. Discuss about the types of natural dyes.
 19. Elaborate on natural finishes.
 20. Discuss in detail about eco-testing instruments.
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R5848

Sub. Code

9MF1E1

M.Voc. DEGREE EXAMINATION, NOVEMBER – 2021

First Semester

Fashion Technology

HOME TEXTILES

(CBCS – 2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define Home textiles.
2. What are factors affecting selection of home furnishing?
3. What are the accessories used for draperies?
4. Differentiate carpet and rug.
5. What are living room furnishing?
6. Define mattress.
7. List the different types of carpets.
8. What are the fibre used in towels?
9. Define Doilies.
10. List out the types of table cloths.

Part B

(5 × 5 = 25)

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

11. (a) Write a short note on the woven fabrics used as furnishings.

Or

- (b) Discuss about domestic and global market for home textiles.

12. (a) Explain with illustration the part of a window.

Or

- (b) 'Service ability of a curtain and drapery is of utmost importance' – Enumerate.

13. (a) Explain about types of quilt.

Or

- (b) Give short note on Bolster.

14. (a) Discuss the maintenance and care of bath linen.

Or

- (b) Explain about types of rugs.

15. (a) Differentiate kitchen mats and kitchen rugs.

Or

- (b) Write short note on:

(i) Apron

(ii) Napkins.

Part C

(3 × 10 = 30)

Answer any **three** questions.

16. Explain the term 'Home furnishing'. Discuss their role in enriching the Home.
 17. Enumerate the role of wall coverings in interiors.
 18. Illustrate and discuss the impact of upholsteries in the living room.
 19. Explain in detail about classification of floor covering.
 20. Write a detailed note on table linens.
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R5849

Sub. Code

9MF3C1

M.Voc. DEGREE EXAMINATION, NOVEMBER – 2021

Third Semester

Fashion Technology

TECHNICAL TEXTILES

(CBCS – 2019 onwards)

Time : Three Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** the questions.

1. What is technical textiles?
2. Define high performance fibre and give some examples.
3. Define aramid fibre and its usage.
4. List out the end products of geo textiles. List out the technical textile products used in geo textiles.
5. Define Mobitech.
6. What are the raw materials used for technical textiles? Give some examples.
7. List out the applications of medical textiles.
8. Define non-implantable materials.
9. What is infrared camouflage material? Explain it.
10. How does apron works as a protective material in home textiles?

Part B

(5 × 5 = 25)

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

11. (a) How can you relate textiles with its scope in a technical side?

Or

- (b) Enumerate the finishes of technical textiles.

12. (a) Define the classification of technical textiles.

Or

- (b) Describe briefly about high strength and high modulus fibres.

13. (a) What is the usage of technical textile in agriculture field?

Or

- (b) Describe the function and properties of Geotech products.

14. (a) How does protective textile find its usage in resisting the flame?

Or

- (b) Enumerate the applications of medical textiles.

15. (a) List out the properties needed for defence and military garments.

Or

- (b) Describe the applications and end products of home textile.

Part C

(3 × 10 = 30)

Answer any **three** questions.

16. Detailed about the development and the future growth of technical textile Industry.
 17. Explain in detail about implantable materials in medical textiles.
 18. Is that Geo membranes are useful for soil resistance and filtration? Justify it.
 19. Summarize on the applications of protective textiles.
 20. Bring out the advantages and application of thermal insulation materials.
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R5850

Sub. Code

9MF3C2

M.Voc. DEGREE EXAMINATION, NOVEMBER – 2021

Third Semester

Fashion Technology

TEXTILE TESTING

(CBCS – 2019 onwards)

Time : Three Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** the questions.

1. Define Quality Control.
2. Write the Importance of Textile Testing.
3. Write the Purpose of Solubility test.
4. Write the principle of bare sorter.
5. Principle of CRE
6. What types of non uniformity are present in a yarn?
7. Fabric thickness is measured under a specified pressure. Why?
8. Define drape.
9. What is fastness?
10. How to check The Durability and Function of Garment Accessories.

Part B

(5 × 5 = 25)

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

11. (a) Write about the yarns sampling method.

Or

- (b) Write about the fabric sampling method.

12. (a) Explain about the fiber fineness tester.

Or

- (b) Write about the caustic soda swelling method.

13. (a) Illustrate about the crimp tester.

Or

- (b) Explain the function of quadrant balance.

14. (a) Write the function of drape Meter.

Or

- (b) Explain about crease resistance and crease recovery.

15. (a) Write about the color measurement and whiting index.

Or

- (b) Describe about the rubbing fastness.

Part C

(3 × 10 = 30)

Answer any **three** questions.

16. Describe about the conditioning of textile testing.
 17. Explain about the function of stelo meter.
 18. Explain about the twist, type and twist testing.
 19. Explain about the Shirley air permeability tester.
 20. Give outline about the accessories testing.
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R5851

Sub. Code

9MF3E2

M.Voc. DEGREE EXAMINATION, NOVEMBER – 2021

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. Types of wasteful practices.
2. Define lean manufacturing.
3. Define tact time.
4. What is VSM?
5. What is DMAIC?
6. Define sampling.
7. What is KAIZEN?
8. What is EOQ?
9. What is heijunka in lean?
10. What is poka-yoke?

Part B

(5 × 5 = 25)

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

11. (a) Explain Toyota Production System (TPS).

Or

- (b) What are the housekeeping practices for cleaner production?

12. (a) Concept of JIT – Explain.

Or

- (b) Difference between a push system and a pull system.

13. (a) What is AQL in apparel industry?

Or

- (b) Explain DMAIC model.

14. (a) What are the production differences between processes and customers?

Or

- (b) How is lean applied in transparent flow of information?

15. (a) Short notes on weaving and knitting.

Or

- (b) Explain about cellular production system.

Part C

(3 × 10 = 30)

Answer any **three** questions.

16. “Concept of 5s” – Explain.
 17. What are the eliminating non-value activities through VSM in garment industry?
 18. What is sampling plan for attributes and continuous variables? Explain briefly.
 19. Applications of KAIZEN in garment industry – Explain.
 20. (a) SMED – explain.
(b) TPM – explain.
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