

**C-4576**

**Sub. Code**

**81623**

**B.Sc. DEGREE EXAMINATION, APRIL 2025**

**Second Semester**

**Fashion and Apparel Merchandising**

**FABRIC MANUFACTURE**

**(2023 onwards)**

Duration : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 1 = 10)

Answer **all** questions.

1. What is the other name of Warp yarn?  
(a) Ends (b) Picks  
(c) Lengthwise yarn (d) Crosswise yarn
2. What are the secondary motions?  
(a) Shedding (b) Picking  
(c) Beatup (d) Let off & take up
3. Choose the strongest basic weave  
(a) Plain (b) Twill  
(c) Satin (d) a&b
4. Mark the variation of plain weave.  
(a) Plain (b) Twill  
(c) Mock leno (d) Basket

5. Mention the types of loops produces in knitting.
- (a) Interlocking/ interlooping
  - (b) Intra looping
  - (c) Interfacing
  - (d) Interling
6. Tubular form is produces by \_\_\_\_\_ type of knitting.
- (a) Warp                      (b) Weft
  - (c) Woven                    (d) Spiral
7. Match the needle used in raschel knit
- (a) Sewing needle      (b) Beard needle
  - (c) Latch needle      (d) Double pointed needle
8. Which stitch is used in sweaters
- (a) Plain                    (b) Rib
  - (c) Loop                    (d) Purl
9. Which is the example of non-woven fabrics?
- (a) Felt                      (b) Cotton
  - (c) Nylon                    (d) Silk
10. Mark the process involved in production of non woven fabric
- (a) Singing                    (b) Desizing
  - (c) Ginning                    (d) Needle punching.

**Part B**

(5 × 5 = 25)

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

11. (a) Define Warping and explain it.

Or

- (b) Write short notes on waterjet looms.

12. (a) Discuss about satin weave.

Or

- (b) Explain fancy weaves.

13. (a) Explain the terms- (i) open loop (ii) closed loop.

Or

- (b) Explain stitch density.

14. (a) Illustrate and explain latch needle.

Or

- (b) Write short note on interlock.

15. (a) Discuss about felting.

Or

- (b) What is crotcheting? Explain it.

**Part C**

(5 × 8 = 40)

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

16. (a) Explain the process sequence of weaving

Or

- (b) Classify shuttle loom.

17. (a) Explain elements of woven design.

Or

(b) Classify twill weave.

18. (a) Elaborate on knitting terms.

Or

(b) Explain yarn quality requirements for knitting.

19. (a) Discuss about warp knitting.

Or

(b) Write a detailed note on single and double Jersey.

20. (a) Briefly explain manufacturing techniques of Non-woven.

Or

(b) Explain role of Non-woven in medical textiles.

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**C-4577**

**Sub. Code**

**81624**

**B.Sc. DEGREE EXAMINATION, APRIL 2025**

**Second Semester**

**Fashion and Apparel Merchandising**

**PRINCIPLES OF PATTERN MAKING**

**(2023 onwards)**

Duration : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 1 = 10)

Answer **all** questions.

1. The varns that run in the same direction as selvedge is referred to as \_\_\_\_\_.  
(a) Bias                      (b) Straight grain  
(c) Cross grain              (d) True bias
2. The measurement taken around the fullest part of the seat is known as \_\_\_\_\_.  
(a) Waist                      (b) Hip  
(c) Body rise                  (d) None of the above
3. The disadvantage of draping method is \_\_\_\_\_.  
(a) Requiring the model  
(b) Consuming lot of fabric  
(c) Consuming more time  
(d) All the above

4. Drafting is a method of  
(a) Grading (b) Altering  
(c) Fitting (d) Pattern making
5. \_\_\_\_\_ is the difference between the actual body measurements and the garment measurement at any given point.  
(a) Seam (b) Loose  
(c) Ease (d) None of the above
6. Which of the following refers to the way in which the cloth matches to the contours of the figure  
(a) Ease (b) Grain  
(c) Line (d) Set
7. Slash and spread method is used in  
(a) Pattern grading  
(b) Pattern layout  
(c) Pattern alteration  
(d) None of these
8. Name the process of turning base size patterns into additional sizes  
(a) Pattern alteration (b) Fitting  
(c) Laying (d) Pattern grading
9. For open layout, we have to place the fabric \_\_\_\_\_ table.  
(a) Right side up (b) wrong side up  
(c) any one side up (d) none of the above

10. To create chevron effect the stripped material should be cut in \_\_\_\_\_.  
(a) Straight grain      (b) Cross grain  
(c) Bias                      (d) None of the above

**Part B**

(5 × 5 = 25)

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

11. (a) Write about the relative length and girth measures in ladies.

Or

- (b) Write a note on standardizing body measurements.

12. (a) Write about the principles of pattern drafting.

Or

- (b) How will you a sleeve pattern?

13. (a) Explain about the steps in preparing a blouse for fitting.

Or

- (b) How will you shift shoulder dart to side seam dart by slash and spread method?

14. (a) Write a note on master grades.

Or

- (b) How will you grade a basic collar?

15. (a) Plan a layout for an asymmetric design.

Or

- (b) Define layout and describe its purpose.

**Part C**

(5 × 8 = 40)

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

16. (a) Describe about the steps in preparing the fabric for cutting.

Or

- (b) Explain the measurements required for men's garments.

17. (a) Write the merits and demerits of patterns from personal measurement.

Or

- (b) Explain the methods of pattern making.

18. (a) With a neat sketch explain how dart is converted to a partial yoke?

Or

- (b) Enumerate on the fitting techniques.

19. (a) Discuss the general principles in pattern alteration.

Or

- (b) Define grading and explain its types.

20. (a) Explain about transferring pattern marking.

Or

- (b) Discuss about the various methods of pattern layout.



**C-4578**

**Sub. Code**

**81633**

**B.Sc. DEGREE EXAMINATION, APRIL 2025**

**Third Semester**

**Fashion and Apparel Merchandising**

**APPAREL MACHINERY AND EQUIPMENTS**

**(2023 onwards)**

Duration : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 1 = 10)

Answer **all** questions.

1. Which one of the below is the common cause of needle thread breakage?
  - (a) Badly wound thread on the bobbin
  - (b) Poorly finished or incorrect thread
  - (c) Needle deflections or bent needles
  - (d) Misaligned off winding from thread package
2. Identify the false statement
  - (a) The top thread feeds from the spool and pokes through the eye of the needle
  - (b) The bottom thread feeds from the bobbin
  - (c) The needle begins high and moves down to pierce the fabric
  - (d) The needle feeds the bottom thread through the material to form the next stitch

3. \_\_\_\_\_ provides tension to the bobbin thread and is either built into the machine or removable
- (a) Tension disc            (b) Bobbin case
- (c) Bobbin                (d) Shuttle
4. When a loop of one thread passes through the loop of same thread during sewing is called
- (a) Inter-looping
- (b) Intra-looping
- (c) Interlacing
- (d) Intertwining
5. Before the cutting process the fabric is spreaded on the table and left for resting is
- (a) Spreading of the fabric
- (b) Cutting of the fabric
- (c) Relaxation of the fabric
- (d) All the above
6. \_\_\_\_\_ comprises a series of three or more pulleys, which provide the continuous rotating motion of the knife.
- (a) Rotary cutting machine
- (b) Straight knife cutting machine
- (c) Roller cutting machine
- (d) Bank knife cutting machine

7. The purpose of \_\_\_\_\_ is to help a garment achieve a certain shape
- (a) Ironing
  - (b) Pleating
  - (c) Molding
  - (d) Pressing
8. \_\_\_\_\_ is a blueprint containing all your design pattern pieces and used in the cutting process to maximize fabric consumption.
- (a) Lay plan
  - (b) Marker
  - (c) Marker efficiency
  - (d) Layout
9. A fabric added to a garment when more warmth is needed, like in a winter coat is \_\_\_\_\_
- (a) Interfacing
  - (b) Underlining
  - (c) Lining
  - (d) Interlining
10. Choose the wrong match of trims and accessories.
- (a) Polybag and Elastic bag
  - (b) Backboard and Neck Board
  - (c) Hanger and Size Stickers
  - (d) Interlining and Gum tape

**Part B**

(5 × 5 = 25)

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

11. (a) Explain the following special attachments.

- (i) Roll hem footer
- (ii) Invisible zipper footer
- (iii) Binder.

Or

(b) Classify sewing machines.

12. (a) Explain the basic working principle of sewing machines.

Or

(b) Give an account on the functions of bobbin and bobbin case in sewing mechanism.

13. (a) Discuss the advantages and disadvantages of band knife cutting machine.

Or

(b) What are the types of spreading according to the direction of the fabrics? Explain any two.

14. (a) List out the differences between ironing and pressing.

Or

(b) Discuss the points to be considered before marker making.

15. (a) Discuss the pros and cons of flatbed fusing press.

Or

- (b) List out the trims and accessories for a men's half sleeve shirt.

**Part C**

(5 × 8 = 40)

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

16. (a) Explain the features of the following machines

- (i) Overlock machine
- (ii) Button hole machine
- (iii) Button fixing machine.

Or

- (b) Explain any five special attachments of sewing machine.

17. (a) Discuss the needle parts and functions with a diagram.

Or

- (b) Give an account on stitch formation in sewing mechanisms with appropriate illustration.

18. (a) Illustrate the complete flow chart of cutting department operations.

Or

- (b) Explain the methods of spreading.

19. (a) Explain the methods of marker planning in the garment industry.

Or

- (b) Explain the following:
- (i) Pressing vs ironing
  - (ii) Permanent pleating
  - (iii) Marker efficiency.
20. (a) Explain continuous fusing press and flat bed fusing press.

Or

- (b) Zips - Discuss its parts and functions in detail with appropriate illustration.
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**C-4579**

**Sub. Code**

**81634**

**B.Sc. DEGREE EXAMINATION, APRIL 2025**

**Third Semester**

**Fashion and Apparel Merchandising**

**TEXTILE COLOURING AND FINISHES**

**(2023 onwards)**

Duration : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 1 = 10)

Answer **all** questions.

1. Choose the enzyme used for desizing
  - (a) Pectinase
  - (b) Amylase
  - (c) Laccase
  - (d) Lipase
2. Which of the following is removed in singeing process?
  - (a) Size
  - (b) Hydrophobic matter
  - (c) Natural colouring matter
  - (d) Protruding fibers
3. Scouring is
  - (a) washing in alkaline solution
  - (b) washing in peroxide solution
  - (c) washing in citric acid solution
  - (d) none of the above

4. Which of the following is called a universal bleaching agent?
- (a) Hypochlorite      (b) Hydrogen Peroxide  
(c) Javelle water      (d) Sodium chlorite
5. The major advantage of garment dyeing over other methods is
- (a) Cost  
(b) Quick response to fashion changes  
(c) High production  
(d) Lower Material liquor ratio
6. Choose the dye suitable for cellulosic fiber
- (a) Acid      (b) Disperse  
(c) Reactive      (d) Basic
7. Which of the following is the oldest and hand method of printing?
- (a) Rotary screen      (b) Block  
(c) Transfer      (d) Roller
8. Batik is \_\_\_\_\_ style of printing.
- (a) Discharge      (b) direct  
(c) resist      (d) transfer printing
9. Silverion is used in which of the following finish?
- (a) Fragrance      (b) Antimicrobial  
(c) Bio polishing      (d) UV protection



10. Pick the odd one out
- (a) Anti bacterial finish
  - (b) Soil release
  - (c) Embossing
  - (d) Flame retardant

**Part B**

(5 × 5 = 25)

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

11. (a) Brief on enzymatic desizing.

Or

- (b) Describe the sequence of process in a processing unit.

12. (a) What is mercerization? Explain.

Or

- (b) State the objects of scouring, bleaching and mercerizing also mention the chemicals used.

13. (a) Write about the dyes suitable for protein fibres.

Or

- (b) Classify dyes – Quote examples.

14. (a) List the ingredients used in printing paste.

Or

- (b) Brief on the styles of printing.

15. (a) What is calendaring? Explain.

Or

- (b) Describe a flame retardant finish.

**Part C**

(5 × 8 = 40)

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

16. (a) Explain the objectives and procedure of singeing.

Or

- (b) Explain the objects and methods of desizing.

17. (a) Explain about bleaching of cotton with hydrogen peroxide.

Or

- (b) Explain in detail about the process and equipment used in scouring.

18. (a) Write about winch and jigger dyeing machines.

Or

- (b) Elaborate on stages of dyeing.

19. (a) Elaborate on Batik printing techniques, equipment's and tools used.

Or

- (b) Elaborate on rotary screen printing.

20. (a) Explain the aesthetic finishes.

Or

- (b) Explain the procedure for crease resistant and emboss finishing.

**C-4580**

**Sub. Code**

**81643**

**B.Sc. DEGREE EXAMINATION, APRIL 2025**

**Fourth Semester**

**Fashion and Apparel Merchandising**

**HISTORIC COSTUMES AND TEXTILES OF INDIA**

**(2023 onwards)**

Duration : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 1 = 10)

Answer **all** the questions.

1. Which of the following is NOT typically associated with the “Kalamkari” textile art form?
  - (a) Block printing
  - (b) Hand painting
  - (c) Embroidery
  - (d) Batik
2. The growth of dress as a cultural phenomenon is studied through the evolution of
  - (a) Textile technology
  - (b) Fashion magazines
  - (c) Advertising campaign
  - (d) Retail stores
3. In which state would you commonly find women wearing the traditional “Lugade” or “Nauvari” saree?
  - (a) Karnataka
  - (b) Tamil Nadu
  - (c) Maharashtra
  - (d) Mizoram

4. The traditional attire for men in Nagaland is known as  
 (a) Dhoti-Kurta (b) Pheran  
 (c) Japi (d) Gamosa and Sarong
5. Which state is famous for the traditional “Muga silk” sarees?  
 (a) West Bengal (b) Odisha  
 (c) Bihar (d) Assam
6. The traditional attire for men in Rajasthan includes  
 (a) Lungi (b) Dhoti-Kurta  
 (c) Angarkha (d) Bandhgala
7. The “Pheran” is a traditional outfit worn in which Indian state?  
 (a) Himachal Pradesh (b) Jammu and Kashmir  
 (c) Uttar Pradesh (d) Gujarat
8. Which Indian state is famous for its intricate “Kundan” jewellery?  
 (a) Rajasthan (b) Kerala  
 (c) West Bengal (d) Punjab
9. “Meenakari” is a traditional enamel work often seen in which type of Indian jewellery?  
 (a) Temple jewellery (b) Filigree jewellery  
 (c) Jadau jewellery (d) Tribal jewellery
10. Which of the following embroidery techniques is known for its use of tiny mirrors and is commonly practiced in Gujarat and Rajasthan?  
 (a) Kantha (b) Mirror work  
 (c) Phulkari (d) Zardozi

**Part B**

(5 × 5 = 25)

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

11. (a) Write short notes about origin of clothing.

Or

- (b) Discuss about Dacca Muslin fabric.

12. (a) Write the Costumes of Andhra Pradesh.

Or

- (b) What was the men's clothing of West Bengal?

13. (a) Discuss about Costumes of Gujarat.

Or

- (b) Explain about Pashmina Shawls?

14. (a) Write about jewelleries used in Indus valley civilization.

Or

- (b) Explain about Temple jewellery.

15. (a) Narrate a note on Phulkari of Punjab.

Or

- (b) Explain the type and colors of fabrics used in Kantha of Bengal.

**Part C**

(5 × 8 = 40)

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

16. (a) Discuss in detail about beginning of costume and their growth of dress?

Or

- (b) Explain in detail about Pochampalli textiles.

17. (a) Narrate a detailed note on costumes of Kerala.

Or

- (b) Explain in detail about Orrisa costume.

18. (a) Discuss in detail about traditional costumes of Tamil Nadu.

Or

- (b) Explain the costumes and accessories worn at Rajasthan.

19. (a) Narrate a note on Gupta Period Costumes.

Or

- (b) Write in detail about costume of ancient civilization.

20. (a) Explain in detail about Kutch and Kathiawar embroidery.

Or

- (b) Narrate a note on Chicken work of Lucknow.

**C-4581**

**Sub. Code**

**81644**

**B.Sc. DEGREE EXAMINATION, APRIL 2025**

**Fourth Semester**

**Fashion and Apparel Merchandising**

**APPAREL AND QUALITY CONTROL**

**(2023 onwards)**

Duration : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 1 = 10)

Answer **all** questions.

1. Mark the fabric inspection system
  - (a) 4 point system
  - (b) 10 point system
  - (c) 4 and 10 point system
  - (d) point grading system.
2. First developed sample for buyer verification is called \_\_\_\_\_
  - (a) Proto sample (b) Sampling
  - (c) Arbitrary sampling (d) Inspection
3. Mark the general types of defects in fabric
  - (a) Patent and latent (b) Holes
  - (c) Knots (d) Neps

4. Control charts is also known as \_\_\_\_\_  
(a) Shewart charts (b) Bar chart  
(c) Pie chart (d) Scatter diagram
5. Mark the standard used for final inspection and testing  
(a) ISO 9003 (b) ISO 9000  
(c) ISO 9001 (d) ISO 9002
6. ISO 9000 series was introduced in \_\_\_\_\_  
(a) 1987 (b) 1988  
(c) 1977 (d) 1974
7. Durability of the buttons is tested by \_\_\_\_\_  
(a) Impact test (b) Tensile test  
(c) Tear test (d) Hole test
8. Strength and Elogation of sewing thread is determined by \_\_\_\_\_  
(a) ASTMD 2256 (b) ASTMD 2236  
(c) ASTMD22 5622 (d) ASTMD 2221
9. SQC Stands for \_\_\_\_\_  
(a) Statistical quality control  
(b) State quality control  
(c) Statistical quantity control  
(d) State quantity control
10. Mark the example of stock storage package  
(a) Ware housing (b) Shipping package  
(c) Display (d) Utility package



**Part B**

(5 × 5 = 25)

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

11. (a) Discuss the importance of quality control.

Or

- (b) What is 100% inspection? Explain it.

12. (a) Discuss about presewing defects.

Or

- (b) Write short notes on control charts.

13. (a) Outline the needs for ISO 9000.

Or

- (b) Discuss eco text concepts.

14. (a) How will you test the quality of buttons and explain it?

Or

- (b) What is skewness? Explain it.

15. (a) Explain quality Assurance.

Or

- (b) Describe about scope of warehousing.

**Part C**

(5 × 8 = 40)

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

16. (a) Write a detailed note on 4-point system.

Or

- (b) Briefly explain statistical sampling.

17. (a) Explain fabric defects.

Or

- (b) Illustrate and explain histogram and flowchart.

18. (a) Explain quality systems.

Or

- (b) Write a detailed note on requirements of TQM.

19. (a) How will you test packing materials?

Or

- (b) Explain testing of dimensional stability.

20. (a) Apparel quality assurance in packing.

Or

- (b) Explain shipping procedure.

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