S.No. 1023 16 SACAF 3

(For candidates admitted from 2016–2017 onwards)

B.Sc. DEGREE EXAMINATION, APRIL 2023.

Part III — Allied

WET PROCESSING

Time : Three hours Maximum : 75 marks

PART A — (10 × 2 = 20)

Answer ALL questions.

1. Desizing

2. Carbonizing of Silk

3. Synthetic Dyes

4. Anionic Dye

5. Yarn Dyeing

6. Mordanting Techniques

7. Jet Dyeing

8. Tone – off Effect

9. Paraffin wax

10. Positive Stencil

PART B — (5 × 5 = 25)

Answer ALL questions, choosing either (a) or (b).

11. (a) What is the need for Degumming?

Or

(b) Outline the process involved in Scouring.

12. (a) Account for the advantages of Reactive Dyes.

Or

(b) Write a brief note on acid Dyes.

13. (a) Give a detail account on colour fastness to perspiration.

Or

(b) Brief on the method of testing dyed fabrics for light and gas fastness.

14. (a) Give the steps involved in Union dyeing.

Or

(b) Explain the merits and demerits of Vacuum Impregnation.

15. (a) How are screens prepared?

Or

(b) Write a note on roller printing.

PART C — (3 × 10 = 30)

Answer any THREE questions.

16. Write a detail account on different methods followed in mercerization Cotton yarns.

17. Explain the classification of Natural dyes with suitable examples.

18. Write a short note on top and beam dyeing.

19. Brief on the different steps in Solvent and Garment dyeing.

20. With suitable diagrams explain types of Tie and Dye printing.

———————

19. (a) Explain a basic front and back bodices blocks with suitable diagrams.

Or

(b) Give a short note on the importance of pattern grading.

20. (a) Give the steps for Increasing the length basic front bodies pattern by 5 cms.

Or

(b) Give the steps for decreasing the width of basic front shirt pattern by 12 cms.

PART C — (3 × 10 = 30)

Answer any THREE questions.

21. Outline the different methods followed in straighten the fabric before cutting.

22. Describe the tools need for drafting a pattern on paper.

23. Mention the Processing creating styles in a blouse pattern following slash and spread method. Give a neat illustration also.

24. What is a commercial pattern? Describe the steps followed in Preparing a commercial pattern for a kameeze pattern.

25. With help of a diagram explain the suitable pattern alteration to be followed to modify a sari blouse for person with broad shoulder and very big bust and waist.

S.No. 1031 **22 SCCAF 2/ 22 SACFT 2**

(For candidates admitted from 2022–2023 onwards)

B.Sc. DEGREE EXAMINATION, APRIL 2023.

Part III — Allied

Core Course II - PATTERN MAKING TECHNIQUES

Time : Three hours Maximum : 75 marks

PART A — (20 marks)

I. (A) Choose the correct answer (5 × 1 = 5)

1. The direction of the fabric is called as

(a) Salvage

(b) Grain

(c) Layout

(d) Ease

2. Paper pattern reduces the time involved in

(a) Drafting

(b) Draping

(c) Cutting

(d) Sewing

3. In order to increase the length of a basic sleeve _____ method can be used

(a) Pivot

(b) Slash and spread

(c) Slash and overlap

(d) Dart manipulation

4. Increasing of the size of the garment scientifically is known as pattern

(a) Sizing

(b) Alteration

(c) Grading

(d) Coating

5. A wrinkleless garment is described as

(a) Shaped dress

(b) Fitted bodice

(c) Perfect garment

(d) Good fit

(B) Fill in the blanks (5 × 1 = 5)

6. The Yoke of a baby's frock is cut in _____

7. _____is used for drafting on pattern paper to draw perpendicular lines.

8. The central point in the bodice front blouse pattern is _____

9. The two methods of pattern grading is _____

10. The way in which the fabric fits to the contours of the figure is called as _____

II. Describe the following terms in few words (5 × 2 = 10)

11. Dove Tailing

12. Skirt

13. Dart

14. Garment assembling

15. Pattern alteration

PART B — (5 × 5 = 25)

Answer ALL questions, Choosing either (a) or (b).

16. (a) Detail on the use of ease stitching.

Or

(b) Account for open lay out with suitable diagrams.

17. (a) Give a brief out line on the advantages and disadvantages of drafting.

Or

(b) Draw a basic sleeve pattern with is parts and explain them.

18. (a) Differentiate slash and overlap and spread method of pattern alterations.

Or

(b) Mention the steps in relocating a basic waist dart into pin tuck along the neck line by dart relocation method.

19. (a) Differentiate woven and knitted fabrics.

Or

(b) Write a short note on tricot warp knitting machine.

20. (a) Depict the characteristics of nonwoven fabrics

Or

(b) Describe manufacturing process of dry felt.

SECTION C — (3 × 10 = 30)

Answer any THREE questions.

21. Detail on classification of fibers based on its orgin.

22. Brief on parts and functions of ring spinning machine.

23. Elucidate on basic parts of a weaving loom.

24. Tabulate types of defects in knitted fabrics.

25. Elaborate on types of non-woven fabrics.

———————

(For candidates admitted from 2022–2023 onwards)

B.Sc. DEGREE EXAMINATION, APRIL 2023.

Part III — Allied

FIBRE TO FABRIC

Time : Three hours Maximum : 75 marks

SECTION A — (20 marks)

Answer ALL questions.

I. (A) Multiple-choice questions : (5 × 1 = 5)

1. One of the following is a cellulosic fiber

(a) Polyster (b) Silk

(c) Cotton (d) Wool

2. Open-end spinning is also called as ————————.

(a) Rotor spinning (b) Ring spinning

(c) Melt spinning (d) Air jet spinning

3. There are ———————— main steps of weaving preparatory process.

(a) Three (b) Four

(c) Two (d) Six

4. The _____ is one in which the loop forming yarns do not cross at the bottom of the loop.

(a) Sinker loop (b) Needle loop

(c) Open loop (d) Face loop

5. Which of the following is a method of web formation?

(a) Needle punching

(b) Hydro-entanglement

(c) Electrostatic Spinning

(d) Stitch bonding

(B) Fill in the blanks : (5 × 1 = 5)

6. Synthetic fibers are also called as _____.

7. _____ involves mixing together fibers originated from different bales to maintain uniformity in the final product.

8. Interlacing of yarns is know as _____

9. _____ are fundamental units in a knit fabrics.

10. The two types of techniques to form dry-laid webs are _____ and air-laying.

II Answer ALL the questions : (5 × 2 = 10)

11. Define fibers.

12. Explain combing.

13. List any five types of waves.

14. What are Wales?

15. Mention any three properties of Woollen felts.

SECTION B — (5 × 5 = 25)

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

16. (a) Elucidate on physical properties of cotton.

Or

(b) What is retting of flax plant and explain its types?

17. (a) Detail on wet spinning and its process.

Or

(b) Explain the process of airjet spinning.

18. (a) Brief on primary and secondary motions of loom.

Or

(b) Elaborate on selvedge and its types.

S.No. 1022 16 SCCAF 4

(For candidates admitted from 2016–2017 onwards)

B.Sc. DEGREE EXAMINATION, APRIL 2023.

Part III — Apparel And Fashion Technology — Major

INDIAN TEXTILES, EMBROIDERY AND COSTUMES

Time : Three hours Maximum : 75 marks

PART A — (10 × 2 = 20)

Answer ALL questions.

1. Explain tattooing?

2. Describe about the clothing style in ancient India.

3. Brief on Dacca muslin.

4. Explain about brocade.

5. List few traditional printed textiles of India.

6. What is Patola?

7. Discuss about the Kathiawar embroideries of Gujarat.

8. Write about the motifs used in Kantha embroidery.

9. Mention some of the traditional ornaments of Punjab.

10. Give a note on traditional dress of South India.

PART B — (5 × 5 = 25)

Answer ALL questions, choosing either (a) or (b).

11. (a) Discuss about the purpose of clothing.

Or

(b) Write a brief note on theories of clothing origin.

12. (a) Elaborate on Paitheni.

Or

(b) Explain about Jamdani fabric.

13. (a) Give a brief note on Bandhani.

Or

(b) Enumerate on painted textiles.

14. (a) Write about Phulkari of Punjab.

Or

(b) Describe about Chamba roomal of Himachal

15. (a) Write a brief note on traditional ornaments of Bihar.

Or

(b) Discuss about traditional costumes of Gujarat.

PART C — (3 × 10 = 30)

Answer any THREE questions.

16. Give a brief note on body ornamentation.

17. Enumerate on Himrus and Amrus.

18. Discuss about the Kashmiri shawl.

19. Explain about Kantha of Bengal.

20. Discuss about the traditional women's costume of South India.

———————

S.No. 1021 16 SCCAF 3

(For candidates admitted from 2016-2017 onwards)

B.Sc. DEGREE EXAMINATION, APRIL 2023.

Part III — Apparel and Fashion Technology — Major

FABRIC STRUCTURE AND DESIGN

Time : Three hours. Maximum : 75 marks

PART A — (10 × 2 = 20)

Answer ALL questions.

1. List out the types of twill weave.

2. Define lifting plan.

3. What is mock leno weave?

4. Write down the characteristics of huck a back weave.

5. What is extra weft figuring?

6. List out the types of backed fabrics.

7. Explain the structure of twill weave.

8. What is weave density?

9. Write down the characteristics of double cloth.

10. List out the types of double cloth.

PART B — (5 × 5 = 25)

Answer ALL questions, choosing either (a) or (b).

11. (a) Write a short note on elements of woven design.

Or

(b) Differentiate between warp and weft rib weave.

12. (a) Write a short note on Brighton honey comb.

Or

(b) Differentiate between warp and weft backed fabrics.

13. (a) Explain the construction principle of backed fabrics.

Or

(b) Write a short note on extra weft fabrics.

14. (a) Write a short note on 3 pile and 6 pile fabrics.

Or

(b) Give a note on satin weave characteristics.

15. (a) Write a note on types of double cloth.

Or

(b) Give a note on steps to draw design of center stitch double cloth

PART C — (3 × 10 = 30)

Answer any THREE questions.

16. Write a brief note on twill weave and its variations.

17. Explain briefly on the features, construction principle and drafting principle of huck a back weave.

18. Explain the advantages and disadvantages of extra warp figuring.

19. Briefly explain the types of terry pile fabric.

20. Write a brief note on the classification of double cloth.

———————

SECTION C — (3 × 10 = 30)

Answer any THREE questions.

21. Write a detailed note on how the fashion is influenced in the society.

22. Explain the different types of fashion.

23. Brief on the elements of design with neat diagram.

24. Explain Prang and Munsell color wheel.

25. What is the organizational structure of fashion industry?

———————

(For candidates admitted from 2022–2023 onwards)

B.Sc. DEGREE EXAMINATION, APRIL 2023.

Part III — Apparel and Fashion Technology/
Fashion Technology and Costume Designing — Major

FASHION DESIGNING / INTRODUCTION TO FASHION DESIGNING

Time : Three hours Maximum : 75 marks

SECTION A — (20 marks)

Answer ALL questions.

I. (A) Multiple-choice questions : (5 × 1 = 5)

1. Factor in change in clothes after 18th century was
   (a) Decolonisation (b) Notions of identify
   (c) Fashions (d) Industrialisation

2. At which stage of the fashion cycle is a style accepted and worn by the majority of consumers?
   (a) Introduction (b) Decline
   (c) Peak (d) Rise

3. A straight form of fitting Silhouttee is ————.
   (a) Tulip (b) Shealth
   (c) Trumpet (d) Mermaid

4. How many primary are there?

(a) 3 (b) 4

(c) 5 (d) 6

5. The price paid by the retailers to the manufacture for a garment is known as the _____.

(a) Cost Price (b) Market price

(c) Selling Price (d) Discount price

(B) Fill in the blanks : (5 × 1 = 5)

6. San culottes meant _____.

7. Short-lived fashions are called as _____.

8. Emphasis is the _____ of a garment.

9. Three colors equally spaced from each other on a color wheel is _____.

10. French term used exclusive one kind of high fashion is _____.

II. Answer ALL the questions : (5 × 2 = 10)

11. Describe basic of fashion designing.

12. What is fashion terminology?

13. Give the classification of decorative design.

14. Mention the role of colour in fashion.

15. What is fashion manufacturer?

SECTION B — (5 × 5 = 25)

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

16. (a) Give the classification of fashion.

Or

(b) What is the role of fashion design?

17. (a) Describe fashion process.

Or

(b) How did French Revolution change fashion?

18. (a) What is a good structural design?

Or

(b) With suitable examples, brief on the 4 types of decorative design.

19. (a) What are the principles of color design?

Or

(b) Write the purpose of color wheel.

20. (a) Account for the scope and carrer opportunities in fashion industry.

Or

(b) What is buying house in fashion industry and explain the role of buying house in export?

20. (a) Discuss about traditional accessories of Punjab.

Or

(b) Write about men and women attires of Kashmir.

PART C — (3 × 10 = 30)

Answer any THREE questions.

21. Discuss about the theories of clothing origin.

22. Elaborate on Kashmiri shawl.

23. Explain about painted textiles.

24. Enumerate on Phulkari embroidery

25. Give a brief note on traditional costumes of peoples in Kerala.

———————

(For candidates admitted from 2022–2023 onwards)

B.Sc. DEGREE EXAMINATION, APRIL 2023.

Part III – Allied

INDIAN TEXTILES AND EMBROIDERY

Time : Three hours Maximum : 75 marks

PART A — (20 marks)

Answer ALL questions.

I. (A) Multiple choice questions : (5 × 1 = 5)

1. The process to puncture the skin with a needle and insert indelible permanent colors to leave permanent marks or designs _____.
   (a) tattooing (b) face painting
   (c) scarification (d) blood marks

2. Which of the following is traditional woven textiles of bengal?
   (a) Kancheepuram (b) Jamdani
   (c) Brocades (d) Dacca muslin

3. Which state is famous for bagru printing?
   (a) Rajasthan (b) Orrisa
   (c) Uttar Pradesh (d) Gujarat

4. Which of the traditional textile motif is related to the French knot open work and Herringbone stitch techniques?

(a) Chikankari of Lucknow

(b) Pipli Applique Work

(c) Kantha of West Bengal

(d) Rajasthani Embroidery

5. Cholu is the traditional attire of _____

(a) Nagaland

(b) Himachal Pradesh

(c) Manipur

(d) Uttar Pradesh

(B) Fill in the blanks : (5 × 1 = 5)

6. According to this theory, the basic importance of clothings to cover or conceal the private parts of the human body _____.

7. Kashmir shawls are woven partly or wholly from _____.

8. Mata-mi-pachedi means _____.

9. The main stitch is used in Kantha embroidery is _____.

10. Marahrastrian head wear is known as _____.

II. Answer ALL questions: (5 × 2 = 10)

11. Write about Modesty theory.

12. What is Himrus?

13. Explain about Pabuji-ka-pad.

14. List the stitches used in Phulkari embroidery

15. Discuss about traditional Rajasthani men's attire.

PART B — (5 × 5 = 25)

Answer ALL questions, choosing either (a) or (b).

16. (a) Discuss about purpose of clothing.

Or

(b) Write a brief note on history of Indian clothing.

17. (a) Explain about Dacca muslin.

Or

(b) Give a brief note on Chanderi.

18. (a) Describe about the process of Kalamkari.

Or

(b) Write a brief note on Mashru.

19. (a) Elaborate on Kasuti embroidery.

Or

(b) Enumerate on Chamba roomal of Himachal.

S.No. 1027 16 SCCAF 7

(For candidates admitted from 2016–2017 onwards)

B.Sc. DEGREE EXAMINATION, APRIL 2023.

Part III — Apparel and Fashion Technology — Major

TECHNICAL TEXTILES

Time : Three hours Maximum : 75 marks

PART A — (10 × 2 = 20)

Answer ALL questions.

1. Technical textiles.
2. Non – Woven.
3. Survival bags.
4. Gloves.
5. Natural Fibers.
6. Air balloon in cars.
7. Thermal Insulation Material.
8. Inflammable Textiles.
9. Degradation.
10. Water pollution in textile industry.

PART B — (5 × 5 = 25)

Answer ALL questions, choosing either (a) or (b).

11. (a) What are the properties of Woven fabrics used in technical textiles?

Or

(b) Outline the scope for technical textiles.

12. (a) Account for the advantages of Extra-corporal devices.

Or

(b) Write a brief note on Sleeping Bags.

13. (a) Give a detail account on the commonly used textiles in railways.

Or

(b) Brief on the applications of Geo textiles.

14. (a) Mention the materials used as ballistic textiles explain them.

Or

(b) Explain the merits textiles used as protection against harsh environment?

15. (a) How does the textile industry pollute the environment?

Or

(b) Write a note on future prospects of the textiles industry with special reference to environment protection.

PART C — (3 × 10 = 30)

Answer any THREE questions.

16. Write a detail account on different types of technical textiles and their merits and demerits.

17. Explain the role of textiles in health and care sectors.

18. Write a short note Marine textile.

19. Brief on the textiles used for the protection against chemical and biological hazards.

20. What are various type of problems faced by the textile industries with reference to land pollution and brief on the measures taken to solve them.

———————