

C-7401

Sub. Code

81613

B.Sc. DEGREE EXAMINATION, NOVEMBER 2022

First Semester

Fashion and Apparel Merchandising

CONCEPT OF FASHION DESIGNING

(2019 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Name two terms related to Fashion industry.
2. What is High fashion?
3. Name two Avante garde designers.
4. What is the Significance of size and texture?
5. What is Pattern Grading?
6. Explain Hue and Intensity.
7. Two Indian Fashion Designers.
8. List two varieties of Children's wear.
9. Name Two International Clothing Brands.
10. Name Two International Cosmetic brands.

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Elaborate on Fashion Merchandising.

Or

- (b) What are the terms related to the Fashion industry?

12. (a) How important is colour for designing an apparel?

Or

- (b) What are the principles of Design?

13. (a) What are the requirements of a good structural design?

Or

- (b) Describe standard colour harmony.

14. (a) Elaborate on the business of fashion with respect to all the three levels.

Or

- (b) Discuss the colour theories with respect to apparel fashion.

15. (a) What are Accessories? What is its significance?

Or

- (b) Discuss the current trend in the Fashion marketing environment.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Write a note on two of your favorite designers.

Or

- (b) What is the role of a Fashion Director?

17. (a) How important are fashion shows in promoting new trends?

Or

- (b) Where are the world fashion centers?

18. (a) What is the impact of globalization on the Indian fashion industry?

Or

- (b) Discuss the contribution of Indian designers to Indian apparel market.

C-7402

Sub. Code

81614

B.Sc. DEGREE EXAMINATION, NOVEMBER 2022

First Semester

Fashion and Apparel Merchandising

TEXTILE SCIENCE

(2019 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define Cotton Fibre.
2. Classify Silk Fibre.
3. Quote the chemical composition of Bamboo.
4. Define Muga Silk.
5. Explain the characteristics of Synthetic Fibres.
6. Define Draw frame.
7. What is simplex?
8. What are the objects of the Ring Frame?
9. Classify the types of twist.
10. Explain the characteristics of yarn twist.

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Explain the cultivation and harvesting of linen.
Or
(b) Elaborate the wool fiber production process.
12. (a) Describe the varieties of cottons with their characteristics.
Or
(b) Explain the acrylic characteristics and applications.
13. (a) Elaborate the characteristics and applications of cuprammonium.
Or
(b) Classify and explain the synthetic fibers.
14. (a) Elaborate the hemp fibre and its characteristics.
Or
(b) Describe the physical and chemical properties of worsted yarn.
15. (a) Explain the Silk Extraction process.
Or
(b) Elaborate yarn twist and types of twist.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Summarize the properties of acetate rayon.
Or
(b) Explain the process fiber to fabric.

17. (a) Elaborate the characteristics and applications of viscose rayon.

Or

(b) Describe the characteristics and applications of spandex.

18. (a) Discuss the objectives and working process of polyester.

Or

(b) Disadvantages of linen Fibre.

C-6127

Sub. Code

81623

B.Sc. DEGREE EXAMINATION, APRIL 2022

Second Semester

Fashion and Apparel Merchandising

FABRIC MANUFACTURE

(2019 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define loop in knitting.
2. List the type of weft knitting.
3. What are the types of stitches?
4. What are the uses of Latch needle?
5. Explain the applications of flat knitting.
6. List the types of warp knitting machines.
7. List the loom classification.
8. What are the uses of Air jet loom?
9. Explain Plain weave.
10. Explain fancy weave.

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Explain the knitting terms.

Or

(b) Explain weft knitting machine working process.

12. (a) What are the elements of knitting?

Or

(b) What are the properties of warp knitted fabric?

13. (a) Explain the process sequence of weaving preparatory process.

Or

(b) What are the major components of the loom?

14. (a) What are the types of weft knitted structure?

Or

(b) Explain the knitting action of Latch needle.

15. (a) What are the basic elements of woven design?

Or

(b) Draw a peg plan of plain and twill weave.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Write about the knitting industry.

Or

(b) Compare the knitting and weaving machine.

17. (a) Explain about the faults in knitted fabric and its causes and remedy.

Or

(b) Explain the warping and sizing process for weaving.

18. (a) Write about the shuttle and shuttle less looms.

Or

(b) Explain the types of weaving with peg plan.

C-6128

Sub. Code

81624

B.Sc. DEGREE EXAMINATION, APRIL 2022

Second Semester

Fashion and Apparel Merchandising

PRINCIPLES OF PATTERN MAKING

(2019 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Write about merits of pattern making.
2. What are the steps used for fabric cutting?
3. List out any five girth measurements for men.
4. What are the steps used for blouse fitting?
5. Outline the purpose of a dart in sewing.
6. Define ease stitching.
7. What is the purpose of pattern layout?
8. What is the importance of standardizing?
9. Write any five pattern details.
10. What are the types of paper alteration?

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Give an overview on measurements of length and girth.

Or

- (b) Write notes on measurements required for men garment.

12. (a) What are the techniques used for standardizing?

Or

- (b) Explain detail about types of paper patterns.

13. (a) Write about the importance of altering patterns.

Or

- (b) Explain in detail about drafting procedure of back bodice and sleeve.

14. (a) Write a sort note on principles of pattern drafting.

Or

- (b) Write the general principles for pattern alteration.

15. (a) Summarise the methods of transferring pattern making.

Or

- (b) Give details about asymmetric designs.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Briefly explain about standardizing body measurements.

Or

- (b) Explain briefly about pattern making.

17. (a) Explain briefly about bold designs, asymmetric designs and one way designs.

Or

- (b) Explain briefly about purpose and types of layout.

18. (a) Give a brief account on pattern grading.

Or

- (b) Explain detail about stay stitching, ease stitching and transferring pattern making.
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C-7403

Sub. Code

81632

B.Sc. DEGREE EXAMINATION, NOVEMBER 2022.

Third Semester

Fashion and Apparel Merchandising

APPAREL MACHINERY

(2019 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What is the purpose of sewing machine?
2. Give any two causes and remedies of sewing faults.
3. What is loop spreader?
4. Enlist the sewing needle.
5. Define spreading.
6. What are die cutters?
7. What is master marker?
8. What is pleating?
9. What is fusing?
10. What is packing?

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Classify the sewing machines.

Or

- (b) Discuss the special attachment in sewing machine.

12. (a) Describe the functions of pressure foot and throat plate.

Or

- (b) Explain the stitching auxiliaries.

13. (a) Differentiate the straight knife and round knife cutting machines.

Or

- (b) Explain the rotary cutting machine.

14. (a) Describe the marker efficiency and their requirements.

Or

- (b) Explain about pressing.

15. (a) Write a note on trims.

Or

- (b) Explain about packing.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Discuss the working of single needle sewing machine.

Or

- (b) Describe the online fabric inspection system.

17. (a) Discuss the functions of various accessories used in sewing.

Or

- (b) Explain the various cutting methods in detail.

18. (a) Explain the types of spreading methods.

Or

- (b) Discuss the fusing methods in detail.
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C-7404

Sub. Code

81633

B.Sc. DEGREE EXAMINATION, NOVEMBER 2022.

Third Semester

Fashion and Apparel Merchandising

TEXTILE COLOURING AND FINISHES

(2019 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What are singeing methods?
2. Give purpose of desizing process.
3. What are the objectives of scouring process?
4. What is the purpose of bleaching process?
5. What is natural dye?
6. What are dyeing stages?
7. What is direct style printing?
8. What is STP?
9. What is durable finishing?
10. What is the purpose of heat setting?

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Describe the sequence of chemical processing of cotton goods.

Or

- (b) Discuss the various types of singing machine.

12. (a) Describe the types of scouring methods.

Or

- (b) Explain about mercerization process.

13. (a) Explain the various dye classification.

Or

- (b) Explain the properties of vat dye with cotton.

14. (a) Describe the styles of printing.

Or

- (b) Explain about digital printing.

15. (a) Write a note on softening process.

Or

- (b) Explain about anti-microbial finish.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Discuss the working of various types of desizing methods.

Or

- (b) Describe the mechanism of hydrogen peroxide bleaching with grey cotton.

17. (a) Discuss the mechanism of cotton with reactive dye.

Or

(b) Explain the various printing methods.

18. (a) Explain the calendaring process in detail.

Or

(b) Discuss the crease resistant finishing in detail.

C-6129

Sub. Code

81642

B.Sc. DEGREE EXAMINATION, APRIL 2022

Fourth Semester

Fashion and Apparel Merchandising

HISTORIC COSTUMES AND TEXTILES OF INDIA

(2019 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What is ikkat?
2. Name for printed textiles in India.
3. List any two Kerala costume.
4. Name any two Bihar costume.
5. List any two Haryana costume.
6. Name any two Madhya Pradesh costume.
7. Give examples for Chola period Jewellery.
8. Give examples for Tribal Jewellery.
9. Name few types of embroidery.
10. What is the embroidery used in Karnataka?

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Explain about Kalamkari design.

Or

- (b) Write a note on Baluchar design.

12. (a) Discuss on Mizoram costumes.

Or

- (b) Describe on Assam costumes.

13. (a) Describe on Gujarat costumes.

Or

- (b) Discuss on Madhya Pradesh costumes.

14. (a) Write a note on pallava period Jewellery.

Or

- (b) Discuss on Mauryan period Jewellery.

15. (a) Write a note on chicken work embroidery.

Or

- (b) Describe Kashmir embroidery.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Explain patola and ikkat techniques.

Or

(b) Discuss on Andhra and Karnataka costumes.

17. (a) Explain the temple jewellery of Tamil Nadu.

Or

(b) Discuss on Jammu and Kashmir costumes.

18. (a) Describe Kutch and Kathiawar embroidery.

Or

(b) Explain Phulkari and Kantha embroidery.

C-6130

Sub. Code

81643

B.Sc. DEGREE EXAMINATION, APRIL 2022.

Fourth Semester

Fashion and Apparel merchandising

APPAREL AND QUALITY CONTROL

(2019 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What is the concept of Quality?
2. What is dimension of quality?
3. Explain quality control
4. What is Check Sheet?
5. Define — Input /output process model
6. What is Juran's trilogy?
7. What is inspection?
8. What is fabric inspection
9. What is ISO 14000?
10. What is social audit?

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Illustrate the elements of quality.

Or

- (b) How will you determine optimum cost performance?
– Explain.

12. (a) Analyze and compare the seven tools of quality

Or

- (b) Illustrate the flow chart in QC.

13. (a) Explain about the PDCA Cycle 5w2H method.

Or

- (b) Explain Six Sigma principle.

14. (a) Illustrate the various types of inspections.

Or

- (b) Illustrate the assessment of spreading cutting and sewing.

15. (a) Explain in detail about the quality procedure in apparel industry.

Or

- (b) Analyze about the latest certification in ISO series.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Enumerate the trend analysis in quality control programme.

Or

- (b) Illustrate the quality control programme in apparel industry.

17. (a) Illustrate Kaizan — Bench marking with examples.

Or

- (b) Analyze failure mode analysis with suitable examples.

18. (a) Illustrate the sewing thread, accessories and interlining with QC principles.

Or

- (b) Illustrate the quality manual and its contents.

C-7405

Sub. Code

81651

B.Sc. DEGREE EXAMINATION, NOVEMBER 2022.

Fifth Semester

Fashion and Apparel Merchandising

GARMENT COSTING

(2019 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Mention the importance of estimation.
2. Outline the aims of estimation.
3. Give any four examples of direct labour cost of a garment.
4. Define chargeable expenses.
5. Define prime cost.
6. What are the factors affecting cutting cost in a garment industry?
7. List the types of accessories.
8. Define CIF.
9. Mention the importance of cost sheet.
10. State any two factors to be considered in costing for international products.

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) List the types of costing.
Or
(b) Write a short note on aims of costing.
12. (a) Discuss on material cost in garment industry.
Or
(b) Describe about overhead cost with examples.
13. (a) What is factory cost? Give examples.
Or
(b) Write a short note on Trimming cost.
14. (a) What is meant by Shipping cost? Give examples.
Or
(b) What are all the components of garment cost?
15. (a) Elaborate on knitted fabric conversion cost.
Or
(b) Elaborate on woven fabric conversion cost.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Explain in detail about INCOTERMS followed in international trade.
Or
(b) Estimate the factory cost for the following garments. Assume relevant data.
(i) Vest
(ii) Briefs

17. (a) Explain the following

(i) Printing cost

(ii) Finishing cost

Or

(b) Explain the steps to calculate the cost of dyeing.
Assume relevant data.

18. (a) Prepare a cost sheet and find the FOB price of kids wear. Assume relevant data.

Or

(b) Prepare a cost sheet and find the FOB price of women's wear. Assume relevant data.

C-7406

Sub. Code

81652

B.Sc. DEGREE EXAMINATION, NOVEMBER 2022.

Fifth Semester

Fashion and Apparel Merchandising

FASHION MERCHANDISING AND MARKETING

(2019 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define sampling process.
2. What do you mean by image building?
3. Mention the importance of fashion retailing.
4. Compare retailing and wholesaling.
5. Pen down the importance of JIT in an apparel industry.
6. What do you mean by market forecasting.
7. Define marketing mix.
8. Mention the outcomes of fashion shows.
9. Give various types of customers in fashion market.
10. Enlist the importance of good customer relationship.

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Brief about various types of sampling strategies in apparel business.

Or

- (b) Explain in detail about brand building.

12. (a) Discuss in detail about fashion retailing.

Or

- (b) Pen down in detail about various channels of distribution.

13. (a) Discuss in detail about the importance of quick response in apparel industry.

Or

- (b) Briefly explain about market forecast analysis in apparel business.

14. (a) Explain about various marketing terminologies in the market.

Or

- (b) Explain in detail about various fashion promotion strategies.

15. (a) Discuss in detail about complaint management in fashion merchandising.

Or

- (b) Explain in detail about customer response and loyalty in apparel marketing.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Explain in detail about various types of samples in apparel industry.

Or

- (b) Discuss in detail about roles and responsibilities of fashion merchandiser.

17. (a) Elaborate on trend analysis and market forecast analysis in fashion business.

Or

- (b) Pen down in detail about various terminologies of marketing in apparel industry.

18. (a) Explain in detail about apparel product line, planning, directing, coordinating and controlling in apparel business.

Or

- (b) Infer the broad view about customer relationship management in apparel marketing.

C-7407

Sub. Code

81653A

B.Sc. DEGREE EXAMINATION, NOVEMBER 2022

Fifth Semester

Fashion and Apparel Merchandising

VISUAL MERCHANDISING

(2019 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What is the purpose of visual merchandising?
2. Brief on windows.
3. What is display setting?
4. Define : Scale.
5. What is free form layout?
6. Highlight on boutique layout.
7. What are the objectives of store design?
8. Write the importance of display.
9. Classify the types of advertising.
10. What is sales promotion?

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Give some notes on : Target customers.
Or
(b) Summarize about seasonal visual merchandise.
12. (a) Outline about line and composition.
Or
(b) Write about contrast in a display.
13. (a) What is forced path layout?
Or
(b) Summarize about general rules of customer.
14. (a) Outline on concept of store design.
Or
(b) Describe briefly on window displays.
15. (a) Narrate on merits and demerits of advertising.
Or
(b) Write short notes on Sales promotion strategies.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Elaborate on trade shows and fairs.
Or
(b) Explain about apparel export promotion council.

17. (a) Demonstrate on Interior of a corporate store.

Or

(b) Discuss about heads of space allocation in a store.

18. (a) Describe about colour and lighting contribution towards drawing attention.

Or

(b) Explain on surprise and shock.

C-7408

Sub. Code

81653B

B.Sc. DEGREE EXAMINATION, NOVEMBER 2022

Fifth Semester

Fashion and Apparel Merchandising

RETAIL MANAGEMENT

(2019 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What is retailing?
2. What is the importance of retailing?
3. List the factors influencing the retail customer.
4. Classify the decision making.
5. What is market segmentation?
6. Define : Retail strategy.
7. Classify the retail locations.
8. List the factors determining the location decision.
9. What are functions of management?
10. List the levels of management.

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Explain briefly on retail formats and types.

Or

- (b) Summarize about retailing channels.

12. (a) Outline on customer decision making process.

Or

- (b) Give short notes on “Understanding the retail customers”.

13. (a) Summarize about benefits of market segmentation.

Or

- (b) Outline on retail value chain.

14. (a) How would you select retail location?

Or

- (b) What are the steps involved in choosing retail location?

15. (a) Justify the statement “Management as Art”.

Or

- (b) Summarize about functions of management.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Demonstrate on evolution of management thoughts.

Or

- (b) Illustrate the levels of management as case analysis.

17. (a) Discuss about “measurement of success of location”.

Or

- (b) Explain on various strategies for penetration of new markets.

18. (a) How would you do market research for understanding retail customer?

Or

- (b) Discuss on changing trends in retailing.
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C-6134

Sub. Code

81661

B.Sc. DEGREE EXAMINATION, APRIL 2022

Sixth Semester

Fashion and Apparel Merchandising

FASHION CLOTHING PSYCHOLOGY

(2019 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define clothing.
2. Mention the types of designers.
3. What is fashion followers?
4. Define trends.
5. What is merchandising?
6. Mention the types of display.
7. What is high fashion?
8. Compare stylist with freelance designer.
9. Define wardrobe planning.
10. What is planogram.

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Write short note on fashion change.

Or

- (b) Explain the role of costume as repetition of fashion.

12. (a) Explain fashion cycle with diagram.

Or

- (b) Discuss about fashion forecasting.

13. (a) Discuss about the elements of visual merchandising.

Or

- (b) Explain about tools and techniques of merchandising.

14. (a) Explain about the contribution of Indian fashion designer to the world fashion.

Or

- (b) Discuss about Ritu Kumar and Abu Jani contribution as fashion designer.

15. (a) Describe the components of display.

Or

- (b) What are the factors that affect ward to be planning?

Part C

(3 × 10 = 30)

Answer **all** question.

16. (a) Give a detailed account on Indian fashion designers.

Or

- (b) Explain the role of customers as a status symbol.

17. (a) Explain about the elements of display.

Or

- (b) Explain in detail the various types of designers.

18. (a) Explain about the forecasting agencies in detail.

Or

- (b) Explain about the components of display.
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C-6135

Sub. Code

81662

B.Sc. DEGREE EXAMINATION, APRIL 2022.

Sixth Semester

Fashion and Apparel Merchandising

**ENTREPRENEURSHIP AND BUSINESS
DEVELOPMENT**

(2019 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define entrepreneurship.
2. What are the three types of enterprise?
3. What are the objectives of EDP?
4. What are the role of Govt. in EDP?
5. Compare marketing and sales.
6. Where could someone get ideas regarding new project?
7. Name any two institution that help entrepreneurs financially.
8. What do you know about textile entrepreneur?
9. Define business plan.
10. List the factors affecting growth of entrepreneurship.

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Discuss about the successful entrepreneur.

Or

- (b) What are the types of entrepreneur? Explain in detail.

12. (a) Explain the various training and development programmes for Entrepreneur.

Or

- (b) Give a detailed note on Entrepreneur v/s Manager.

13. (a) Discuss about the market planning.

Or

- (b) Explain about the income and expenditure in project report.

14. (a) Write a note on problems in textile entrepreneurship.

Or

- (b) Discuss about the Govt. scheme for promoting textile entrepreneur.

15. (a) Explain about prospects of textile industry.

Or

- (b) Write a note on stories of successful textile entrepreneur.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Explain the factors influencing in entrepreneurial promotion.

Or

- (b) Explain the reservation for micro, small and medium industry.

17. (a) What are the role of government in promoting textile entrepreneur? Explain in detail with example.

Or

- (b) Discuss about the project feasibility report preparation and evaluation for a business plan.

18. (a) How are projects classified? Explain the criteria for classification.

Or

- (b) Identify a new product of your choice. How would you launch the new product that you had chosen for your venture?

C-6136

Sub. Code

81663A

B.Sc. DEGREE EXAMINATION, APRIL 2022

Sixth Semester

Fashion and Apparel Merchandising

TECHNICAL TEXTILE

(2019 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Name any two high performance fibres with suitable application.
2. Compare para and meta aramid fibres.
3. Name the preferred application of hollow fibre.
4. What is surgical textile?
5. Identify the property requirements for military protective clothing.
6. Analyze the effect of fabric weave pattern on filter fabric performance.
7. Differentiate geosynthetic from geotextile.
8. List the objectives of military combat system.
9. List the role of textiles in hiking goods.
10. List the properties of microfibre in sports application.

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Explain about aramid fibres.

Or

(b) Describe about various type of technical textiles.

12. (a) Discuss the fibres used in hygiene applications.

Or

(b) Discuss the textiles material used as implantable materials.

13. (a) Discuss the essential properties of geotextile.

Or

(b) Explain the mechanism of solid / liquid filtration.

14. (a) Discuss in brief the main functional criteria for military protective textile.

Or

(b) Choose fibre and fabric structure for electrical protective textiles.

15. (a) Discuss the technical requirements for sports wear.

Or

(b) Discuss about camping and Hiking.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Explain the scope of technical textile in India.

Or

(b) Discuss the properties and application of aramid and glass fibres.

17. (a) Discuss the fibres and fabric structures used as agro textile.

Or

(b) Discuss the composition of wound care material and their functions.

18. (a) Explain the textile material used for fire and chemical protection.

Or

(b) Discuss fibre, fabric and compositions for sports clothing.

C-6137

Sub. Code

81663B

B.Sc. DEGREE EXAMINATION, APRIL 2022

Sixth Semester

Fashion and Apparel Merchandising

NON WOVEN

(2019 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define nonwoven based on INDA.
2. Give any four raw material for nonwoven production.
3. What is mixing?
4. What is the purpose of carding process?
5. Mention the types of mechanical bonding process.
6. What are chemical binders?
7. Give the process sequence of spun bond process.
8. What is the purpose of extruder?
9. What are the types of finishes?
10. How to apply finishing agent to the nonwoven?

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Describe the elements of nonwoven.
Or
(b) Discuss about the raw material used in production of nonwoven.
12. (a) Explain the fibre opening and mixing processes.
Or
(b) Discuss about carding process.
13. (a) Discuss about thermal bonding process.
Or
(b) Explain the methods of binder applications.
14. (a) Explain about the raw material used in spun bond process.
Or
(b) What are the key process factors in spun bond technology?
15. (a) Explain any two mechanical finishes.
Or
(b) Discuss about chemical finishes.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Explain with neat sketch of cross laid web forming process.
Or
(b) Discuss in detail the basic nonwoven process and their sequence.

17. (a) Explain the working principle of Needle punched nonwoven process.

Or

(b) Explain the various chemical bonding process.

18. (a) Explain about Melt blown process with neat sketch.

Or

(b) Discuss in detail the methods of applying mechanical finishes.

C-7013

Sub. Code

**16/17/23/25/
26/27/29**

**COMMON FOR ALL U.G DEGREE COURSES
EXAMINATION, NOVEMBER 2022**

First/Second Semester

ENVIRONMENTAL STUDIES

(2019/2020 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Nonrenewable resources
2. Ecosystem
3. Food Chain of forest ecosystem.
4. Pandemic Emergencies.
5. Red Data Book
6. Hot spots
7. Climate Change
8. Deforestation
9. Biodiversity
10. Acid Rain

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Differentiate renewable and nonrenewable energy resources.

Or

- (b) Write notes on structure and functions of grassland ecosystem.

12. (a) Write notes on Food Webs of Forest Ecosystem with suitable examples.

Or

- (b) Write notes on Genetic, Species and Ecosystem Diversity.

13. (a) Write short notes on Food resources and its problems associated with them.

Or

- (b) Write notes on land resources and problem associated with them.

14. (a) Write notes on thermal pollution.

Or

- (b) Write notes on energy pyramids with suitable examples.

15. (a) Explore the threats to biodiversity.

Or

- (b) Write note on man-made disaster with special reference to strike.

Part C

(3 × 10 = 30)

Answer **all** the questions.

16. (a) Write an essay on multidisciplinary nature of environmental studies and about the need for public awareness on environment.

Or

- (b) Write an essay on Water Resources and problem associated with over-utilization of various water resources.
17. (a) Write an essay on Biogeographical classification of India.

Or

- (b) Write an essay on values of biodiversity.
18. (a) Write an essay on causes, effects and control measures of water pollution.

Or

- (b) Enumerate various strategies in managing disasters caused due to natural calamities.
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C-5664

Sub. Code

**16/17/23/25/
26/27/29**

**Common for All U.G. B.Sc./B.B.A. DEGREE
EXAMINATION, APRIL 2022**

First/Second Semester

ENVIRONMENTAL STUDIES

(2019/2020 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** the questions.

1. ZSI.
2. WII.
3. What is renewable energy?
4. Food web.
5. Pyramid of numbers in aquatic ecosystem.
6. Red data book.
7. List out any five Endemic species of India.
8. List out marine pollutants.
9. *Ex Situ* Conservation.
10. Enlist Option Values of Biodiversity.

Part B

(5 × 5 = 25)

Answer **all** the questions.

11. (a) Write notes on definition, scope and importance of environmental studies.

Or

- (b) Write notes on soil erosion and desertification.

12. (a) Write notes on energy flow in the ecosystem.

Or

- (b) Write notes on threads to biodiversity.

13. (a) Write notes on Biodiversity at Global, National and Local levels.

Or

- (b) Write notes on various strategies of conservation of Biodiversity.

14. (a) Write notes on ecological pyramids.

Or

- (b) Write notes on air pollution.

15. (a) Write notes on noise pollution.

Or

- (b) Write notes on effects and control measures of nuclear hazards.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Write an essay on the multidisciplinary nature of Environmental Studies.

Or

- (b) Write an essay on the following resources with special emphasis to how they are overexploited/utilized which in turn damage the environment, (i) Forest Resources and (ii) Food Resources.

17. (a) Write an essay on “India is a mega-diversity nation”.

Or

- (b) Write an essay on Biodiversity and their values.

18. (a) Write an essay on causes, effects and control measures of (i) Marine Pollution and (ii) Water Pollution.

Or

- (b) Write an essay on concept, structure and function of ecosystem.