

M.Sc. DEGREE EXAMINATION– DECEMBER 2020

First Year

Apparel and Fashion Design

RESEARCH METHODS AND STATISTICS

Time : 3 hours

Maximum marks : 75

SECTION A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. What is Research? Explain its need and scope.
2. Enumerate the importance of tables and figures in report.
3. What are the methods of data collection?
4. Describe the significance of F test.
5. Give a report on quasi experimental research.
6. Write about the tools in Data collection.
7. Give short note on Binomial distribution
8. Describe about Quantitative analysis.

SECTION B — (5 × 10 = 50 marks)

Answer any FIVE questions.

9. Explain the Research report in detail.
10. Describe about the Sampling Design.
11. Explain about Non parametric test.
12. Give a detailed note on Descriptive research methods.
13. Discuss about the scope and importance of Home Science.
14. Explain about the procedure for preparation of the tool for data collection.
15. State the difference between probability and non probability sampling.
16. Describe about the measures of central tendency with example.

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M.Sc. DEGREE EXAMINATION – DECEMBER 2020

Apparel and Fashion Design

Historic Costume

Time: 3 Hours

Maximum Marks: 75

Section A- (5*5=25)

Answer any FIVE questions

1. Write in detail Egyptian costume
2. Explain costume from Renaissance period (16th century to 18th century)
3. Explain costumes of Italy from 18th century to till date.
4. Write a note on fashion components.
5. Write a note on fashion designing.
6. Explain understanding and sketching of theme based garment and its fashion forecast.
7. Give a note on international designers.
8. Explain costing in construction of garments.

Section B- (5*10=50)

Answer any FIVE questions

9. Write in detail Introduction to costumes.
10. Explain in detail costume from middle age period (5th century AD to 15th century)
11. Elaborate – Costumes of India (Past to present)
12. Elaborate - Fashion terminology.
13. Explain in detail – Elements used in creating a design.
14. Explain in detail costumes of Italy- from 18th century till date.
15. Elaborate – Fashion forecasting.
16. Explain the steps involved from sourcing of raw materials to construction of garments.

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FIRST YEAR

APPAREL AND FASHION DESIGN

SKETCHING AND FASHION ILLUSTRATION

Time: 3 Hours

Maximum Marks: 75

PART – A

(5 × 5=25 Marks)

Answer Any **Five** Questions

1. Write about the scope and need for fashion illustration.
2. Define draping and explain about its tools.
3. Discuss about effects of colour.
4. How textures are used in fashion designing?
5. Illustrate and explain about harmony.
6. Illustrate any five styles of skirts with its components.
7. What do you mean by inspirational fashion .Discuss on it.
8. How will you create client board and explain its effectiveness in designing.

PART – B

(5 ×10=50 Marks)

Answer Any **Five** Questions

9. Briefly explain about terminologies used in sketching.
10. Illustrate a fashion block figure with all kind of poses.
11. Dimension of colour- Explain.
12. Explain the following ..
 - a) Monochromatic colour
 - b) Split complementary colour

13. Explain about elements of design.
14. Illustrate 10 garments using cuffs, yoke and pockets.
15. What is surface ornamentation - Explain in detail.
16. How will you bring the texture effect of silk, velvet, net – Explain with neat sketch

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**M.Sc. DEGREE EXAMINATION –
DECEMBER 2020**

First Year

Apparel and Fashion Design

**WOVEN FABRIC STRUCTURE AND FABRIC
ANALYSIS**

Time : 3 hours

Maximum marks : 75

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. Explain continuous filament and spun yarns.
2. How to calculate the fabric weight? Explain.
3. What is draft and lifting plan? Explain.
4. What is sizing machine? Explain.
5. Write about crimp and cover factor.
6. Explain yarn and fabric strength relationships.
7. Explain crepe and honey comb weave.
8. Explain huckaback and mock-leno weave.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

9. Write a report on
 - (a) Fibre and yarn strength,
 - (b) Fibre density, shape and crimp.
10. Give a report on factors involved in cloth calculations.
11. Write about the different yarn packages with their characteristics.
12. Explain in detail about shuttleless looms.
13. Explain in detail about twill weave and its types.
14. Explain in detail about satin and sateen weave and its characteristics.
15. Write about wrap pile, weft pile and terry fabrics.
16. Write about lappet, swivel figured and Bedford cord fabrics.

M.Sc DEGREE EXAMINATION - DECEMBER - 2020

APPAREL AND FASHION DESIGN

Knitting Technology

Time : 3 Hours

Maximum Marks : 75

SECTION A (5x5=25Marks)

Answer any FIVE of the following

1. Differentiate warp and weft knitting
2. Write about the effect of stitches on fabric properties
3. Write about the function of speedometer in knitting machine
4. Write about Blister and Ripple fabrics
5. Expand and write about GSM and TF
6. Enumerate on production of elasticised fabrics
7. Elucidate on characteristics of Purl knitted fabrics
8. List the basic knitting elements and explain any one

SECTION B (5x10=50 Marks)

Answer any FIVE of the following

9. Describe about the yarn parameters used for hosiery
10. Discuss about stitch length setting in circular knitting machine
11. Explain about needle selection in weft knitting
12. Discuss about Raschel machine
13. Describe about production of tubular fabrics
14. Explain about Interlock knitting machine
15. Explain about socks knitting machine
16. Describe about Jacquard knitting machine

M.Sc. DEGREE EXAMINATION – DECEMBER - 2020
APPAREL AND FASHION DESIGN
First Year
ADVANCED GARMENT CONSTRUCTION

Time: 3 Hours

Maximum Marks: 75

SECTION A (5 × 5 = 25 Marks)

Answer any FIVE questions.

1. Mention the general tools used in garment construction.
2. How do you thread the sewing machine?
3. Write about uneven and even stitches
4. What is a bound seam? Where do you use it?
5. List out the tucks used in garments.
6. Where do you use tailored placket?
7. Write about bias facing.
8. How do you take round chest measurements?

SECTION B (5 × 10 = 50 Marks)

Answer any FIVE questions.

9. Explain in detail the measuring tools used in garment construction.
10. Summarize the methods of pattern making.
11. How will you develop a commercial paper pattern? Explain in detail.
12. Describe the drafting of sleeves.
13. What is fullness? Explain about gathering and ruffles.
14. Draft a salwar kameez by assuming necessary details.
15. Give a full specification for full sleeve shirt.
16. Explain the clothing for maternity period.

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**M.Sc. DEGREE EXAMINATION —
DECEMBER - 2020**

Second Year

Apparel and Fashion Design

COMPUTER APPLICATION IN APPAREL INDUSTRY

Time: 3 Hours

Maximum Marks: 75

PART A (5 × 5 = 25 Marks)

Answer any FIVE questions

1. Explain about Computer Aided Fashion.
2. Write in brief on Computer Specifications.
3. What is Computerized Pattern Grading? Explain in brief.
4. Explain about Enterprise Resource Planning (ERP).
5. Explain how Warehouse storage systems carried out by computer.

6. Specify the applications of CAD in Clothing design.
7. Explain the Computer Colour Graphics.
8. Detect the method of creating computerized Jacquard designs.

PART B ($5 \times 10 = 50$ Marks)

Answer any FIVE questions.

9. Enumerate the development of designs for surface decorations using CAD.
10. Describe the method of developing pattern and marker planning by CAD.
11. Explain the role of CAD software in an apparel industry.
12. Discuss in detail about Computer Aided Colour matching.
13. Give an account on computer controlled embroidery designs in clothing industry.
14. Explain in detail about application of compute in sewing department.

15. Describe how visual design is created by CAD.
 16. Narrate the steps involved in creating a weave design using computer with suitable examples.
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MAFD-8

M.Sc. DEGREE EXAMINATION – DECEMBER 2020.

**Apparel and Fashion Design
FASHION MERCHANDISING**

Time: 3 Hours

Maximum Marks: 75

PART- A

(5X5=25Marks)

Answer any FIVE questions

1. State the role of merchandiser.
2. Write short notes on Merchandising.
3. State the functions of buying agency in garment industry.
4. What do you mean by pre-buying activity?
5. State the components of garment.
6. What are the reasons for the transport delays?
7. Describe the details of fashion cycle.
8. List down the various methods of marketing analysis.

PART-B

(5X10=50Marks)

Answer any FIVE questions

9. Explain the fashion merchandising in detail?
10. Describe the process of selecting buyers and buying agency.
11. Summarize the Various aspects in fabric selection.
12. Discuss the various quality problems in garment manufacturing.
13. Summarize the role of merchandiser in after production.
14. Explain the importance of LC amendments.
15. Discuss about various brands and designers.
16. How will you conduct a fashion show? Explain in detail.

**M.Sc. DEGREE EXAMINATION –
DECEMBER 2020.**

SECOND YEAR

APPAREL AND FASHION DESIGN

TECHNICAL TEXTILES

Time: 3 Hours

Maximum Marks: 75

PART- A

(5 × 5 = 25 Marks)

Answer any FIVE questions.

1. What are the scopes of Technical Textiles?
2. Explain about the physical properties of technical fibers.
3. List out Conventional fibers used in technical textiles.
4. Explain about the web laying process.
5. Explain about the woven structures in technical textiles.

6. Explain about Any Two mechanical process of technical textiles.
7. Explain about the methods of composite manufacturing.
8. What are the types of coating for technical textiles?

PART- B (5 × 10 = 50 Marks)

Answer any FIVE questions.

9. Explain about the applications of Technical Textiles.
10. What are the classification of technical fibers?
11. What are the important properties of technical textile yarns?
12. Explain in detail about Hydro-entanglement process.
13. Explain in about the knitted fabric structures used in Technical Textiles.
14. What are the types of composite material?
15. Write notes on Medical Textiles.
16. What are the applications of Automotive Textiles?

FIRST YEAR

APPAREL AND FASHION DESIGN

TEXTILE TESTING AND QUALITY CONTROL

Time: 3 Hours

Maximum Marks: 75

PART – A

(5X5=25 Marks)

Answer any FIVE questions

1. Bring out the importance of textile testing and analysis
2. Describe about any one national and international organization involved in textile testing
3. Write about the method for measuring fiber fineness
4. How will you calculate yarn crimp
5. List the factors affecting tensile testing
6. Explain about KES test
7. Write about Perspiration
8. Discuss about the importance of atmospheric conditions for textile testing

PART- B

(5X 10=50 Marks)

Answer any FIVE questions

9. Enumerate how yarn structure influences fabric performance
10. Explain the two methods used to identify fiber strength
11. Differentiate single strand method from skein method
12. List the different methods of testing breaking strength and explain any two
13. Describe the methods of measuring crease recovery
14. What are the methods used for evaluating abrasion. Explain any one
15. Evaluate on the color fastness test methods to washing and light
16. Explain the methods of measuring fiber length

M.Sc. DEGREE EXAMINATION - DECEMBER 2020**Apparel and Fashion Design****Second year****TEXTILE CHEMISTRY AND WET PROCESSING****Time: 3 hours****Maximum marks: 75****PART - A****(5X5=25 Marks)****Answer any FIVE questions**

1. Bring out the scope, need and use of Textile Chemistry
2. Illustrate and explain the properties of cellulosic fibers
3. Bring out the classification of dyes
4. Explain the chemical composition and properties of binders
5. Write about the changes that takes lace due to mercerization
6. Evaluate the principles of Printing
7. What do you mean by water proof finish and how is to applied to fabric
8. Explain the nomenclature of commercial dyes

PART - B**(5X 10=50 Marks)****Answer any FIVE questions**

9. Describe about the polymerization process.
10. Discuss about degumming and weighting of silk.
11. Enumerate on the detail about derizing.
12. Write about the types of singeing machine.
13. Explain about dyeing of reactive and acid dyes.
14. Explain the fixation of prints using various methods.
15. Classify finishes.
16. Discuss about antibacterial finish.