



26131

Reg. No.

--	--	--	--	--	--	--	--

I Semester B.Sc.(FAD) Degree Examination, March/April - 2022
FASHION AND APPAREL DESIGN
Fibre And Yarn Science
Paper : FAD103A
(CBCS Semester Scheme 2019-20 Onwards Repeaters)

Time : 3 Hours

Instructions to Candidates:

1. All sections are compulsory.
2. Support with illustration wherever necessary.



SECTION-A

I. Answer any ten questions.

(10×2=20)

1. Define staple fibre.
2. What are Regenerated fibres? Give example.
3. Define polymer.
4. Draw longitudinal and cross section of wool fibre.
5. List and explain types of yarn twist.
6. Define 2 ply yarn.
7. Define Yarn count.
8. Write any two uses of banana fibre.
9. What are fancy yarns? List any two.
10. What are synthetic fibre's? Give example.
11. Expand TPI.
12. Define spinning.

[P.T.O.]





(2)

26131

SECTION - B

II. Answer any **five** questions.

(5×4=20)

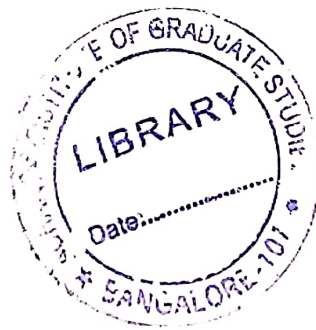
13. List and explain the general properties of textile fibres.
14. Write a note on bamboo fibre.
15. State the properties and end uses of Elastomeric fibre.
16. With the help of flow chart Explain manufacturing of Carded yarn.
17. Differentiate between woolen and worsted yarns.
18. Describe the important properties of sewing thread.

SECTION - C

III. Answer any **five** questions.

(5×6=30)

19. Classify the textile fibres based on their source and origin.
20. Explain physical and chemical properties of silk.
21. Explain the types of polymers.
22. Define yarn count. Explain yarn numbering system.
23. Explain any three types of Novelty yarns.
24. Write a note on Ring spinning process.
25. Differentiate between Amorphous and crystalline regions.
26. Write a note on texturization.





26121

Reg. No.

--	--	--	--	--	--	--	--

I Semester B.Sc. Degree Examination, March/April - 2022

FASHION AND APPAREL DESIGN

Fibre And Yarn Science

(CBCS Semester Scheme Repeaters 2016-2017 Onwards)

Paper : 14FAD103A

Time : 3 Hours

Instructions to Candidates:

All sections are compulsory



SECTION-A

I. Answer any **ten** of the following.

(10×2=20)

1. What are natural fibres. Give example.
2. Draw the Cross sectional view of cotton fibre.
3. What is polymerization?
4. List and uses of Acrylic fibre
5. Define blending.
6. Define tax.
7. Name any two fancy yarns.
8. What is spinning?
9. Write any four uses of flax fibre.
10. What are ply yarns? Give an example.
11. Which is the only natural filament fibre.
12. List the end uses of Regenerated fibres.

[P.T.O.]





(2)

26121

SECTION - B

II. Answer any **five** of the following.

(5×4=20)

13. Explain the physical properties of cotton fibre.
14. Explain classification of Textile fibres.
15. Mention the different type of spinning process.
16. Define polymer and explain types of polymers.
17. Write a note on fancy yarn's.
18. State the objectives of carding machine.

SECTION - C

III. Answer any **five** of the following.

(5×6=30)

19. What are protein fibres. Explain properties of protein fibres.
20. Explain manufacturing of carded yarn with flow chart.
21. Differentiate between Amorphous and Crystalline region.
22. Briefly explain the properties of sewing threads.
23. Differentiate between woollen and worsted yarns.
24. Explain physical and chemical properties of Nylon fibre.
25. Explain the physical and chemical properties of silk.
26. Write a note on.
 - a) Simplex yarn.
 - b) Complex yarn.





26121

Reg. No.

--	--	--	--	--	--	--	--

I Semester B.Sc.(FAD) Degree Examination, August - 2021

FASHION & APPAREL DESIGN

Fibre And Yarn Science

(CBCS Scheme 2018-19 & Onwards Repeaters Only)

Paper : FAD -103 A

14 AUG 2022

Time : 3 Hours

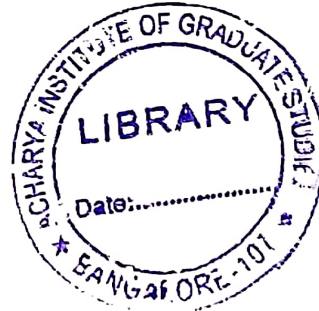
Maximum Marks : 70

Instructions to Candidates:*All sections are compulsory.***SECTION - A**

(10×2=20)

I. Answer any **Ten** of the following.

1. Define textile fibre. Name One vegetable fibre.
2. Mention two Animal fibres.
3. Name any two Regenerated cellulose fibre.
4. What are elastomeric fibres? Give an example.
5. Sketch the longitudinal and Cross - sectional microscopic view of wool fibre.
6. List the end uses of synthetic fibres.
7. What are combed yarn's?
8. Define polymer.
9. What are ply - yarn's? Give examples.
10. Name two novelty yarns.
11. List any two bast fibres.
12. Mention the types of Yarn twist.

**SECTION - B**

(5×4=20)

II. Answer any **Five** of the following.

13. Explain physical and chemical properties of cotton.
14. Explain the uses of animal fibres.
15. Draw the flow chart of carded yarn manufacturing process.
16. Discuss the uses of Bamboo fibres.

[P.T.O.]





(2)

26121

17. Explain types of Polymerization.
18. What are sewing thread's? Explain any three properties of sewing thread.
19. Differentiate between amorphous and crystalline orientation in fibres.

SECTION - C**III. Answer any Five of the following.****(5×6=30)**

20. Classify textile fibres based on source and origin.
 21. Explain the difference between Ring spinning and Rotor Spinning.
 22. Explain physical and chemical properties of polyester or Acrylic fibres.
 23. Explain physical and chemical properties of viscose and Acetate Rayon.
 24. What are Blends? Discuss its advantages.
 25. Write a detailed note on fancy yarn.
 26. Explain Direct and In-direct yarn count system.
-





0243730

26131

Reg. No.

--	--	--	--	--	--	--	--

I Semester B.Sc.(FAD) Degree Examination, August - 2021

FASHION & APPAREL DESIGN

Fibre and Yarn Science

14 AUG 2021

(CBCS Scheme 2019 & Onwards Freshers and Repeaters)

Paper : FAD 103A

Time : 3 Hours

Maximum Marks : 70

Instructions to Candidates:

1. All sections are compulsory.
2. Support with illustration wherever necessary.

SECTION - A

I. Answer any Ten questions.

(10×2=20)

1. Define fibre.
2. What are natural fibres? Give examples.
3. Mention the physical properties of polyester.
4. What is polymerisation?
5. Define yarn twist.
6. Define fibre blend.
7. Draw the L.S and C.S of cotton fibre.
8. Define spinning.
9. Write any two properties and uses of silk.
10. What is filament yarn? Give example.
11. Define Tex.
12. Write any four uses of bamboo fibre.

SECTION - B

II. Answer any Five questions.

(5×4=20)

13. Explain classification of fibres.
14. Draw the microscopic appearance of wool and explain its physical properties.
15. Write a note on modal fibre.

[P.T.O.]





(2)

26131

16. Differentiate between woollen system and worsted system.
17. Write short notes on.
 - a. Elastomeric fibers.
 - b. Sewing threads.
18. Explain burning and solubility test for cotton and silk.

SECTION - C

III. Answer any Five questions.

(5×6=30)

19. Explain cotton spinning system with flowchart.
 20. Differentiate between ring spinning and open end spinning.
 21. Write a note on novelty yarns describe any three.
 22. Write the differences between amorphous and crystalline region.
 23. Highlight the differences between woven and knit structures.
 24. Define count. Explain yarn numbering system.
 25. State the properties of silk fibre.
 26. Write a note on Texturization.
-