

Reg. No. :

Name :

Fifth Semester B.Sc. Degree Examination, December 2022

First Degree Programme under CBCSS

Home Science

Core Course

HS 1544 : TEXTILE SCIENCE

(2018 Admission Onwards)

Time : 3 Hours

Max. Marks : 80

SECTION – A

Answer all questions in **one word / sentence**. Each question carries **1 mark**.

1. List out any two natural vegetable fibre.
2. Which test is done by burning fibres.
3. Give examples of synthetic fibre.
4. What do you mean by block printing?
5. Define Direct Dyes.
6. What is Batik printing?
7. Illustrate Tie and dye.
8. Make a note on Rotary Screen Printing.

P.T.O.

9. What exactly is meant by Anti bacterial finish.
10. Illustrate twill weave.

(10 × 1 = 10 Marks)

SECTION – B

Short answer questions. Answer any **eight** questions. Each question carries **2** marks.

11. Distinguish between warp and weft.
12. What are routine finishes?
13. What do you understand by the term colourfastness?
14. Write a short note on waterproofing.
15. Note down the properties of felting.
16. Explain the wet spinning process.
17. Describe any two properties of cotton and Nylon fibres.
18. Define Braiding.
19. Explain Jacquard weaves in textile industry.
20. Point out the advantages of finishing fabrics.
21. Highlight any two objectives of fabric chemical tea
22. Make a note on desizing.
23. Point out any four qualities of good fabric.
24. Define carding.
25. Describe any two characteristics of correctly dyed fabric.
26. What do you mean by mordant?

(8 × 2 = 16 Marks)

SECTION – C

Short essay questions. Answer any **six** questions in a paragraph. Each question carries **4** marks.

27. How does fibre content and yarn type affect appearance, durability, maintenance and comfort of the fabrics? Illustrate with examples.
28. Describe the process of patterning fabrics with resist style of printing.
29. Discuss the applications of flame retardant finishes on fabrics.
30. Outline the factors which determine the choice of fabric finish.
31. Portray the differences in burning test between cotton and wool.
32. Explain the objectives and process of bleaching cotton fabrics.
33. Give a detailed account on mercerization for finishing of fabrics.
34. Point out the effects of twisting yarns.
35. Pinpoint the properties of wool.
36. Distinguish between cellulosic and proteinic fibres citing an example in each case.
37. Define labelling and state its significance.
38. Write a short note on procedure of felting and its uses.

(6 × 4 = 24 Marks)

SECTION – D

Long essay questions. Answer any **two** questions. Each question carries **15** marks.

39. Define dyeing and point out the various methods of fabric dyeing.
40. What do you mean by weaving? illustrate, label and discuss the various loom parts and its operations.

41. Propound the different types of textile printing.
42. Explain the process and properties of wool.
43. Describe the following: Bounding, Felting and Braiding.
44. Classify textile fibres.

(2 × 15 = 30 Marks)

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Core Course

HS 1541 : HOUSING AND INTERIOR DECORATION

(2018 Admission Onwards)

Time : 3 Hours

Max. Marks : 80

PART – A

Write one word answer. All questions must be answered. Each question carries 1 mark.

1. Name tertiary colours.
2. Expand CFL.
3. List out the furnitures required for a study cum bedroom.
4. Define symmetrical balance.
5. List out different forms.
6. Define design.
7. Define carpets.
8. Classify accessories.

P.T.O.

9. Discuss on the effects of horizontal lines.
10. Define harmony.

(10 × 1 = 10 Marks)

PART – B

Write short answers not exceeding **one** paragraph. Answer **any eight** questions. **Each** question carries **2** marks.

11. Discuss on triad colour harmony.
12. Illustrate U shape kitchen.
13. Define decorative accessories and give examples.
14. Discuss on how to get privacy at homes.
15. Discuss the advantages of indirect lighting.
16. Historical design and its sources – Discuss.
17. Write on cool hues and its usage.
18. Brief on the metal furniture and its advantages.
19. Illustrate “C” shape flower arrangement.
20. Discuss on the qualities of white colour.
21. Suggest suitable colours for living room and substantiate it.
22. How will you treat a short window?
23. Discuss on the stems used in ikebana.
24. Classify design.

25. Illustrate criss cross curtains.
26. What type of lighting will be suitable for bedroom?

(8 × 2 = 16 Marks)

PART – C

Write short essay not exceeding **120** words. Answer **any six** questions. Each question carries **4** marks.

27. Classify balance in a design with suitable example.
28. How will you create rhythm in a design?
29. Write on criteria for selecting furnishing materials.
30. What is the purpose of designing interiors?
31. Enumerate on related colour harmony with suitable example.
32. Write on the advantages of natural lighting over artificial lighting.
33. Enumerate on the guidelines in arranging furniture.
34. Importance of good lighting discuss.
35. Discuss on the benefits of carpets and its care and maintain.
36. Explain Japanese flower arrangement.
37. Detail on different bouquet.
38. Explain the factors to be considered while selecting site for house.

(6 × 4 = 24 Marks)

PART – D

Write essays not exceeding four pages. Answer **any two** questions. **Each** question carries **15** marks.

39. Explain elements of design with suitable examples
 40. Describe the criteria for selecting furniture for homes
 41. Draw house plan suitable for middle income family with two children
 42. Discuss on the effects of different colours in interiors
 43. Explain the line and mass flower arrangement with suitable illustrations
 44. Threw light on the types of furniture and arrangement for different rooms.
- (2 × 15 = 30 Marks)**