SIXTH SEMESTER (CUCBCSS—UG) DEGREE EXAMINATION MARCH 2021

Home Science (Textiles and Fashion Technology)

HTF 6B 09—TEXTILE SCIENCE

Time : Three Hours   Maximum : 80 Marks

Section A

*Answer **all** questions.*
Each question carries 1 mark.

1. Define fibre.

2. List the parts of a novelty yarn.

3. Define selvedge.

4. What is felting ?

5. Give the purpose of bleaching.

6. Give the characteristics of twill weave.

7. What are blends ?

8. Name two fibres that are solution dyed.

9. Define printing.

10. What is bio-scouring ?

(10 × 1 = 10 marks)

Section B

*Answer at least **five** questions.*
Each question carries 4 marks.
All questions can be attended.
Overall Ceiling 20.

11. Classify fibre based on length.

12. Give the burning characteristics of cotton and wool.

13. Describe handloom.

14. Classify yarns based on direction of twist.

Turn over

15. Differentiate between ply yarns and cable ?

16. What do you mean by denting plan.

17. Explain bonded fabrics.

18. Explain mercerizing.

19. What do you mean by calendaring process ?

20. Explain natural dyes with examples.

21. Briefly describe batik process.

22. What do you mean by thermal fixing.

(5 × 4 = 20 marks)

Section C

Answer at least four questions.
Each question carries 7 marks.
All questions can be attended.
Overall Ceiling 28.

23. Explain the manufacturing process of viscose rayon.

24. Explain the types of fancy yarns.

25. Briefly discuss on shuttleless looms.

26. Give the characteristics of woven fabrics.

27. Explain crocheting and knitting.

28. Briefly discuss on special finishes.

29. Explain the stages of dyeing.

30. Explain the process of tie and dye.

(4 × 7 = 28 marks)

Section D

Answer any two question.
Each question carries 11 marks.

31. Explain the objective tests for fibre identification.

32. Elaborate on fancy weaves.

33. Explain the parts and functions of a loom.

34. Discuss about direct styles of printing.

(2 × 11 = 22 marks)