

MAHATMA GANDHI UNIVERSITY, KOTTAYAM

MGU-UGP (HONOURS)

THIRD SEMESTER EXAMINATION

(2024 ADMISSION ONWARDS)

MG3VACTXLA02 – WET PROCESSING TECHNIQUES FOR TEXTILES

Duration: 1.5Hrs

Maximum Marks: 50

Students should attempt at least one question from each course outcome to enhance their overall outcome attainability.

[Learning Domain][CO No(s)]

Part A

Multiple Choice Questions

Answer **All** Questions. Each question carries **1** mark

1. Which of the following is a preparatory finish? [U] [1]
 - a) Calendaring
 - b) Mercerization
 - c) Bleaching
 - d) Flocking
2. Which of the following is a functional finish? [U] [2]
 - a) Shearing
 - b) Water-repellent finish
 - c) Calendaring
 - d) Tentering
3. Which of the following is a synthetic dye? [U] [3]
 - a) Indigo
 - b) Reactive dye
 - c) Turmeric
 - d) Henna
4. In which method is a design etched onto a cylinder for continuous printing? [U] [4]
 - a) Roller printing
 - b) Discharge printing
 - c) Block printing
 - d) Screen printing
5. Stock dyeing is done at which stage? [U] [3]
 - a) Fibre
 - b) Yarn
 - c) Fabric
 - d) Garment

6. Which of the following is an aesthetic finish? [U] [1]
 a) Desizing c) Napping
 b) Scouring d) Bleaching
7. Skein dyeing is associated with: [U] [3]
 a) Fabrics c) Yarn
 b) Garments d) Fibre
8. Which of the following is a traditional hand printing technique? [U] [4]
 a) Screen printing c) Block printing
 b) Rotary printing d) Roller printing
9. Dip dyeing is used in: [U] [3]
 a) Garment dyeing c) Batch dyeing
 b) Fibre dyeing d) Pad dyeing
10. Which dye is suitable for protein fibres? [U] [3]
 a) Vat dye c) Acid dye
 b) Basic dye d) Sulphur dye

[1 x 10 = 10]

Part B

Fill in the Blanks Questions

Answer **All** Questions. Each question carries **1** mark.

11. is the process of removing natural and added impurities from fabric. [U] [1]
12. finish is applied to prevent fabric from catching fire. [U] [2]
13. In dyeing, fabric is passed through dye solution and squeezed through rollers. [U] [3]
14. printing involves using carved wooden blocks for transferring design. [U] [4]
15. dyeing is done during the fibre stage. [U] [3]
16. finish gives a smooth, glossy appearance to fabric surfaces. [U] [1]
17. dyes are suitable for cellulosic fibres. [U] [3]
18. printing removes color from dyed fabric to create designs. [U] [4]

19. dyeing is commonly used for finished garments. [U] [3]

20. is a method where dye is pushed through yarn wound on spools. [U] [3]

[1 x 10 = 10]

Part C

Answer in One Word or One Sentence

Answer **All** Questions. Each question carries **1** mark.

21. Name a finish that enhances the luster and strength of cotton fabric. [U] [1]

22. Write one function of shrink-resistant finish. [U] [2]

23. Name one natural dye. [U] [3]

24. Define direct dye in one sentence. [U] [3]

25. What is duplex printing? [U] [4]

26. Define singeing in one sentence. [U] [1]

27. What is winch dyeing used for? [U] [3]

28. Define screen printing. [U] [4]

29. State one characteristic of reactive dyes. [U] [3]

30. Write one example of fibre dyeing method. [U] [3]

[1 x 10 = 10]

Part D

Short Answer Questions

Answer **any five** Questions. Each question carries **2** marks.

31. What is the difference between sizing and desizing? [U] [1]

32. List and explain any two durable functional finishes. [U] [2]

33. Write briefly about the classification of dyes. [U] [3]

34. What is the difference between screen printing and rotary printing? [U] [4]

35. Distinguish between batch dyeing and continuous dyeing. [U] [3]

36. Mention two advantages of roller printing. [U] [4]

[5 x 2 = 10]

Part E

Long Answer Questions

Answer **any two** Questions. Each question carries **5** marks.

37. Explain any four aesthetic finishes and their impact on fabric appearance. [U] [1]

38. Discuss the application and significance of flame-retardant and waterproof finishes in textiles. [U] [2]
39. Explain various fabric dyeing methods. [U] [3]
40. Explain different types of textile printing methods. [U] [4]
- [2 x 5 = 10]**