

S.No. 3023

16 SACAF 3

(For candidates admitted from 2016–2021 batch)

B.Sc. DEGREE EXAMINATION, NOVEMBER 2023.

Part III — Allied

WET PROCESSING

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20)

Answer ALL questions.

1. What is heat setting?
2. Define scouring.
3. What are cationic dyes?
4. List out the properties of anionic dyes.
5. Define crocking.
6. What is gas fading?
7. What is meant by tone-on-tone effect?
8. Define foam dyeing.

9. List out the various styles of printing.
10. Give out the list of items used in the preparation of printing paste.

SECTION B — ($5 \times 5 = 25$)

Answer ALL questions, choosing either (a) or (b).

11. (a) Describe the process of bleaching.
- Or
- (b) Give an account on silk weighting.
12. (a) What are sulphur dyes and write down its properties?

Or

- (b) What are natural dyes? List out the various natural dye sources.
13. (a) Give a short note on stock dyeing.
- Or
- (b) Explain the process of top dyeing with a neat illustration.
14. (a) Give an account on union dyeing.

Or

- (b) Explain the mechanism involved in beck dyeing.

15. (a) Give a short note on roller printing.

Or

- (b) Explain and illustrate the basic types of tie and dye techniques.

SECTION C — ($3 \times 10 = 30$)

Answer any THREE questions.

16. Explain the process involved in piece and package dyeing.
17. Give a brief note on screen printing.
18. Discuss the mechanism involved in space and beam dyeing.
19. Elucidate the properties of disperse and pigment dyes.
20. Describe the process of singeing and desizing.