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II Semester B.Sc. Degree Examination, July/August - 2024**FASHION AND APPAREL DESIGN****Dyeing and Printing in Textiles****(NEP CBCS Scheme Freshers and Repeaters 2021-22 and Onwards)****Paper : FD2.1 T****Time : 1½ Hours****Maximum Marks : 60****Instructions to Candidates:****Answer All sections are compulsory illustrate wherever necessary.****SECTION - A****I. Answer any Ten of the following.****(10×2=20)**

1. Define scouring.
2. Name the universal bleaching agent.
3. Name the chemicals used for degumming of silk.
4. What is carbonisation?
5. Suggest the dyes used for natural fibers.
6. Define stock dyeing.
7. List the machinery used in wet processing.
8. Define singeing.
9. What is Transfer Printing?
10. Name any two functional finishes.
11. What is discharge style of printing?
12. Define stain.

SECTION - B**II. Answer any Five of the following.****(5×4=20)**

13. Write the sequence of wet processing operation for cotton and brief on it.
14. Explain desizing process of cotton yarn.
15. Explain degumming process of silk.



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16. Define mercerization and explain the process of mercerization.
17. Explain working principles of kier machine.
18. Discuss the dyeing process of silk using acid dyes.
19. Differentiate water proof and water repellent finishes.

SECTION - C

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

(4×5=20)

20. State the principles of laundering.
 21. What is Bleaching? Write its objective and explain the method of bleaching cotton.
 22. Explain the following terminologies.
 - a) M:L Ratio.
 - b) Calendaring.
 - c) Tentering.
 23. Write a short note on different washing techniques followed in industry.
 24. State the importance of textile finishes and explain any three aesthetic finishes.
 25. What are environmental concerns and social responsibility of textile industry. Explain.
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