

15. Summarize the benefits of micro encapsulation techniques [K₂]
16. Name the chemical methods used to synthesis nano particles [K₁]
17. State the role of spin finish and give examples [K₁]
18. Compare spray coating and powder coating [K₄]
19. Summarize the problems faced in conventional dyeing. [K₂]
20. Name some low liquor ratio dyeing techniques. [K₂]

PART C (6 x 5 = 30 Marks)

21. Explain the mechanism of super critical carbondioxide dyeing. [K₂]
22. Describe the principle and working of digital printing [K₂]
23. Compare and contrast Wrinkle recovery finish and durable press finish [K₄]
24. Analyse the working of corona discharge plasma treatment [K₄]
25. Describe the application procedure for coating powder adhesives on textiles. [K₂]
26. Analyse the factors influencing the properties of foam used for textile finishing. [K₄]

PART D (4 x 10 = 40 Marks)

27. Analyse the mechanism of dyeing of cotton with salt free reactive dyes. [K₄]
28. Analyze different methods of producing Water repellent apparels. [K₄]
29. Formulate the procedure to produce antimicrobial apparels using micro encapsulation techniques [K₆]
30. Analyse the problems associated in cold brand reactive dyeing of cotton materials in jigger machine. [K₄]
