

Register No:

B.TECH DEGREE EXAMINATIONS: APRIL/MAY 2011

Sixth Semester

TEXTILE TECHNOLOGY

U07TT602: Textile Chemical Processing II

Time: Three Hours

Maximum Marks: 100

Answer ALL Questions:-

PART A (10 x 1 = 10 Marks)

1. Which one of the following is a discharging agent?
a) TRO b) Starch c) Rangolite-C d) Sodium carbonate
2. What is the recently developed textile machine in printing?
a) Laser b) Screen c) Rotary d) Inkjet
3. _____ number of bowls is in chasing calendar machine.
a) 6 b) 7 c) 4 d) 5
4. Enzymes are _____
a) Living things b) Bio-catalyst c) Amines d) Alkaline
5. The LOI value of cotton fibre is _____
a) 19 b) 25 c) 68 d) 72
6. _____ can be used as a cross linking agent
a) Pharmaline b) NaOH c) HCL d) Citric Acid
7. The COD value of any effluent will be _____ BOD value
a) greater than b) Less than c) Equal to d) No relation to
8. Which one of the following is a tertiary treatment?
a) Coagulation b) Mixing c) RO d) Neutralization
9. One atomic mass unit (a.m.u) is equal to _____
a) 139 Mev b) 931 Mev c) 391 Mev d) 936 Mev
10. The instrument used to measure the pressure is _____
a) atomic meter b) Barometer c) Lactometer d) Fatometer

PART B (10 x 2 = 20 Marks)

11. Differentiate: Methods & Styles of printing
12. State the importance of fixation after printing process
13. What do you mean by back filling?

14. Define: Felting
15. List out the properties of wash-n-wear finish
16. Define: LOI value
17. What are primary treatments?
18. Write a note on enzymatic decolourisation.
19. What is the role of Material: Liquor ratio in the textile industry?
20. List out the various ways of energy conservation in processing industry.

PART C (5 x 14 = 70 Marks)

21. (a) (i) Explain the process of Discharge printing style. (7)
(ii) How will you printing the polyester cloth? (7)

(OR)

- (b) Discuss in detail the recent developments in printing.

22. (a) Elaborate the various calendaring finishes with neat sketch.

(OR)

- (b) Explain the various applications of enzymes in finishing.

23. (a) How will you make a garment as a crease resistant one? Explain in detail

(OR)

- (b) Explain the process of water proof finish for cotton?

24. (a) Describe the role of pollution control boards in environment protection.

(OR)

- (b) Explain about various tertiary treatments.

25. (a) How will you minimize the wastes in textile processing industry?

(OR)

- (b) Explain about various sources and economics of energy system.
