

B.TECH DEGREE EXAMINATIONS: NOV/DEC 2012

Fifth Semester

TEXTILE TECHNOLOGY

TTX110: Textile Chemical Processing-II

Time: Three Hours

Maximum Marks: 100

Answer all the Questions:-

PART A (10 x 1 = 10 Marks)

1. ----- is used as a hygroscopic agent in print paste
 - a) Glycerin
 - b) Sodium alginate
 - c) Acetin
 - d) Caboxyl methylcellulose
2. ---- is used as an discharging agent in vat discharge printing on direct dye ground of cotton fabric.
 - a) Potassium carbonate
 - b) Sodium hydroxide
 - c) Aluminium Sulphate
 - d) Rongalite C
3. In sublimation transfer printing, design is created on the fabric by ---
 - a) Dye adsorptions from the vapor phase
 - b) Dye melting on to the fabric
 - c) Dye transferring by diffusion through the aqueous medium
 - d) Complete dye layer transfer to the fabric
4. -----type of design are produced mostly with roller printing machines
 - a) Stripe designs
 - b) Cross border designs
 - c) Larger size motif
 - d) Complicated geometric design
5. ----- is a ecofriendly cross linking agent used for anticreasing of cotton fabric
 - a) Butane Tetra Carboxylic Acids (BTCA)
 - b) o-hydroxybenzophenone
 - c) Urea formaldehyde
 - d) Fluorocarbon
6. The function of fabric finished for Biostats type antimicrobial is -----
 - a) controlling the growth and spread of microbes
 - b) killing microbes
 - c) Killing enzymes
 - d) None of the above
7. ----- agent is used for water repellent finishing of textile materials
 - a) Polydimethylsiloxanes
 - b) Phosphorous
 - c) Tributyl tin oxide
 - d) o-hydroxybenzophenone

23. a) Explain different calendaring processes with neat sketches.

(OR)

- b) (i) Explain the combustion process of cotton material (4)
(ii) Explain flame retardant finishing of cotton and polyester /cotton material in detail. (10)

24. a) (i) Explain the concept of various water repellent finishes on textile materials?
(ii) Suggest suitable recipe for durable WR finish.

(OR)

- b) Discuss in detail about the antimicrobial finishing of textile materials and explain the mechanism of the finishes.

25. a) Discuss in detail about the major areas of process control measures in desizing, scouring and bleaching of cotton materials?

(OR)

- b) Explain in detail about the quality control measures followed in wet processing industry for dyed and printed fabrics
