



SE-6907

B. E. - III (Sem. VI) (Textile Technology)

Examination

April / May - 2011

Technology of Processing -II

Time :3 Hours]

[Total Marks : 100

Instructions :

(1)

नीचे दशांशके निशानीवाणी विगतो उत्तरवही पर अवश्य लिखनी.  
Fillup strictly the details of signs on your answer book.

Name of the Examination :  
B. E. - 3 (SEM. 6) (TEXTILE TECHNOLOGY)

Name of the Subject :  
Technology of Processing - II

Subject Code No. : 6 9 0 7 Section No. (1, 2,.....): NIL

Seat No. :  
[ ] [ ] [ ] [ ] [ ] [ ]

Student's Signature

- (ii) There are no separate sections in this paper.  
(iii) Figures to the right indicate full marks.

Q.1 a) Answer the following objective questions. (10)

- i) pH range of milling acid dyes is -----
- ii) The gum like substance present in silk is -----
- iii) Acid mordant dyes are also referred to as-----
- iv) Salt act as -----in wool dyeing at neutral pH
- v) Which pH is set for dyeing of acrylic with cationic dyes?
- vi) The critical temperature range for dyeing of acrylic is -----
- vii) Why RC is carried out after polyester dyeing?
- viii) Why silk dyeing is not generally carried out at boiling temperature?
- ix) Silk can be dyed with direct dye. True/False
- x) Give any two names of carriers.

b) Explain the dyeing of silk with Acid dye. (10)

Q.2 a) Describe dyeing of nylon with acid dye in detail. (10)

b) Solvent scouring (05)

OR

SE-6907]

1

[Contd...

**Q.2** Explain different methods of dyeing of polyester with disperse dye in detail. (15)

**Q.3** Write short notes on **any three** of the following (15)

- a) Acrylic dyeing
- b) Dyeing of wool with metal complex dyes.
- c) Degumming of silk.
- d) Freezing method

**Q.4** a) Answer the following objective questions. (10)

- i) State the function of hygroscopic agent in printing paste.
  - ii) ----- is the means by which the printing is carried out.
  - iii) Direct style of printing is also known as -----.
  - iv) Printing can be done with no dye in the paste. True or False. Justify.
  - v) For batik style of printing only cold brand reactive dyes are used. True or false. Justify.
  - vi) Give difference between dyeing and printing?
  - vii) Zinc sulphoxylate formaldehyde is better known as -----.
  - viii) What is the function of sodium bi-sulphate in azoic printing?
  - ix) ----- is best suited thickener for printing vat dye.
  - x) Rapidfast powders are more stable than rapidogen. True or false, justify.
- b) Enlist different direct style of printing solubilised vat dye on cotton. Explain any two in detail. (10)

**Q.5** a) Explain direct style of printing reactive dyes on cotton. (10)

b) Block printing (05)

**OR**

**Q.5** Write about different printing ingredients in detail. (15)

**Q.6** Write short notes on **any three** of the following. (15)

- a) White discharge on vat ground
- b) Difference between discharge and resist style of printing
- c) Resist style of printing
- d) Transfer printing