



RN-7483

**B. E. - IV (Sem. VII) (Textile Processing) Examination**  
**May / June - 2010**  
**Technology of Printing - II**

Time : 3 Hours]

[Total Marks : 100

**Instructions :**

(1)

नीचे दशविवेक निशान्नीवाणी विगतो उत्तरवडी पर अवश्य लपवी.  
Fillup strictly the details of signs on your answer book.

Name of the Examination :  
**B. E. - 4 (Sem. 7) (Textile Processing)**

Name of the Subject :  
**Technology of Printing - 2**

Subject Code No. : **7 4 8 3** Section No. (1, 2,.....): **1&2**

Seat No. :

Student's Signature

- (2) Answer to the two sections must be written in separate answer books.  
(3) Figures to the right indicate full marks.  
(4) Tie two sections separatel.

**SECTION I**

- 1 a) Answer the following objective questions. (10)
- Which dye system is used to print 80/20 Polyester/Cotton blend?
  - Enlist the advantages of pigment printing on Polyester/Cotton blend?
  - Enlist different solvents used for Nylon printing.
  - In High Temperature steaming there is less humidity as against HTHP steaming. True or False. Justify.
  - Why SnCl<sub>2</sub> is not preferred for white Dis-charge printing of Polyester?
  - State different methods of Discharge printing of polyester.
  - Give the precautions necessary during CDPET printing.
  - State the use of activated carbon in printing.
  - Give any two names of acid librating agents.
  - Redox potential of Rongolite-C is \_\_\_\_\_. (-870mv, -500mv, 870mv)

- b) Enlist different printing aid for printing Nylon fabric, explain each with examples. (10)
- 2 a) Discuss faults and remedies in Polyester printing. (10)
- b) Explain printing of Acrylic with cationic dye. (05)

**OR**

- 2 Discuss in detail the Discharge printing of Polyester. (15)
- 3 Write short notes on **any three** of the following (15)
- a) Disperse – Pigment system of printing P/C blends
- b) Discharge printing of Nylon
- c) Criteria for the selection of reducing agent
- d) Printing of Nylon with Procynyl dyes.

**SECTION II**

- 4 a) Answer the following objective questions. (10)
- i) Which paper is used in transfer printing?
- ii) Pigment prints exhibit good light fastness. True or False.
- iii) Why sodium alginate is not used for pigment printing?
- iv) For white khadi \_\_\_\_\_ pigment is used.
- v) Mica fraction with 30 to 50 microns exhibit \_\_\_\_\_ gloss.
- vi) Define: Blow ratio.
- vii) What is mélangé yarn?
- viii) Lanazol dyes are one type of \_\_\_\_\_ dye.
- ix) Direct dyes can be used to print silk fabric. True or false.
- x) Blanket in the automatic flat bed screen printing machine is driven by means of \_\_\_\_\_ system.
- b) What is steaming? Explain Arioli steamer with neat sketch. (10)

5 a) Enlist different methods of printing paper for transfer printing. Explain Lithographic and flexographic printing. (10)

b) Explain Vigoureaux Printing (05)

**OR**

5 Explain Direct style of printing Silk with different classes of dyes. (15)

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

a) Pearl Printing

b) Cross border Printing

c) Star steamer

d) Magnetic squeeze system.

---