



SE-6881

B. E. III (Sem. V) TP Examination

April / May - 2011

Technology of Dyeing - I

Time : 3 Hours]

[Total Marks : 100

Instructions :

(1)

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

Name of the Examination :
B. E. 3 (Sem. 5) (TP)

Name of the Subject :
Technology of Dyeing-1

Subject Code No. : 6 8 8 1 Section No. (1, 2,.....) : 1, 2

Seat No. :

Student's Signature

(2) Answer to the two section must be written in same answer book.

(3) Figures to the right indicate full marks.

SECTION - I

1 (a) Answer in short : 10

- (1) Give the uses of direct dyes.
- (2) Enumerate different after treatments of cotton.
- (3) What is basic dyes ?
- (4) Explain procian H colours.
- (5) Give the trade name of vinyl sulphane dyes.
- (6) State the two methods of Napthon dissolution.
- (7) Why sodium acetate is added during diazotization.
- (8) What is vatting ?
- (9) What are solubilized vat dyes chemically ?
- (10) Why direct dyes have par wash fastness ?

- (b) Enlist different parameters of direct dye dyeing. 10
Explain each in detail.
- 2 Give chemistry, properties and application method of vat dyes. 15

OR

Explain different steps in Azoic colour development with all suitable precautions

- 3 Write short notes : (any three) 15
- (a) Solubilised vat dyes
 - (b) Stabilised amino salts
 - (c) Vinyl sulphane dyes
 - (d) Stripping of Azoic colours

SECTION - II

- 4 (a) Answer in brief : 10
- (1) State the linkage present in sulphur dyes.
 - (2) What are the two drawbacks of sulphur black colour ?
 - (3) What are mineral colours ?
 - (4) What is Aniline black.
 - (5) Give different Denim washes.
 - (6) Sulphur topping in Denim has become must. Why?
 - (7) _____ method is widely used for Denim dyeing.
 - (8) What are pigment colours ?
 - (9) Ammonium vanadate catalyst is used in Aniline Black colour. Why ?
 - (10) Denim is satin weaved fabric. Comment

(b) Give development of mineral colour of cotton.

- 5** With all technical details, describe dyeing of Denim with Indigo colour. **15**

OR

Describe Denim processing with repeat to

- (a) Rope dyeing method
(b) Faults and corrections

- 6** Write short notes : (any three) **15**
- (a) Pigment dyeing
(b) Sulphur bronziness
(c) Aniline black dyeing
(d) Combination shades in Denim.