



SE-8306

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

May / June - 2011

Tech. of Dyeing-I

Time : 3 Hours]

[Total Marks :

Instructions :

(1)

नीचे दृश्यावेद निशानीवाणी विगतो उत्तरवडी पर अवश्य लखवी.
Fillup strictly the details of signs on your answer book.

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

Name of the Subject :
Tech. of Dyeing-1

Subject Code No. : **8 3 0 6** Section No. (1, 2,.....): **Nil**

Seat No. :

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Student's Signature

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

- 1 (a) Answer the following objectives : **10**
- What is direct dye chemically ?
 - List different aftertreatments in direct dyes.
 - Basic dyes has poor light fastnes. True or False. Justify.
 - What are Procian HE colours ?
 - What are Remazol dyes ?
 - Define coupling.
 - List four steps in vat dye application.
 - I_K is _____ dyeing dyes.
 - Explain the letter in the dye name.
Charazd Sky Blue 6 RL
 - Classify dyes on the basis of their light fastness.
- (b) Give a chart of different reactive systems for reactive **10**
dyes. Explain Remazol dyes.

- 2 Discuss different dyeing methods of Procion colours on **15**
cotton.

OR

- 2 State different stages in the development of Azoic colours **15**
on cotton with technical details.

- 3 Attempt any three short notes : 15
(a) Chemical classification of vat dyes
(b) Solubilized vat dyes
(c) Stripping of Reactive colours
(d) Parameters of direct dyes.

- 4 (a) Answer in short : 10
(i) Denim is a satin dyed fabric. Correct the Statement
(ii) _____% shade is kept on denim.
(iii) _____ is used as reducing agent in sulphur dyes.
(iv) _____ catalyst is used in aniline black colour.
(v) _____ and _____ are used in mineral colours.
(vi) Indigo dye is _____ Dye (Direct, Reactive, Vat)
(vii) Cordrouys are dyed with _____ colours.
(viii) Where Aniline Black colour is used ?
(ix) Give quantitative use of different dyes for woven fabric.
(x) List different washes given on Denim.
(b) Explain application method and limitations of sulphur 10
dyes.

- 5 Describe Dyeing of Denim by any one method. 15
Compare with another method.

OR

- Discuss dyeing of Denim w.r.t. 15
(a) Technical parameter
(b) Combination shades.

- 6 Write short notes (any three) :
(a) Pigment dyeing
(b) Mineral colours
(c) Aniline Black colours
(d) Bronziness in Sulphur Black.
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