

SECTION-C

Note: Long answer type questions. Attempt any three questions. 3x10=30

- Q.3 Explain the principle and working of hank dyeing machine.
- Q.4 Explain the application of dyes on cellulosic material in detail.
- Q.5 Describe substance dye in detail? How can we improve the fastness properties.
- Q.6 Explain properties and classification of reactive dyes.
- Q.7 Explain the following in brief:-
- a) Which dyeing machine.
 - b) Package dyeing machine.

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Roll No.

32541/2554/2542

4th Sem. / Textile Design

Subject : Dyeing Technology - II

Time : 3 Hrs.

M.M. : 100

SECTION-A

Note: Very Short Answer type questions. Attempt any 15 parts. (15x2=30)

- Q.1
- a) What are natural dyes?
 - b) Which type of bond is formed between direct dye & cotton.
 - c) What is OBA?
 - d) Define vat dyes.
 - e) Define buffers.
 - f) What are soluble dyes.
 - g) Name dyes that can be applied on jute.
 - h) Name different types of acid dyes.

- i) What are azoic dyes?
- j) List some properties of sulphur dyes.
- k) Name some water soluble dyes.
- l) List advantages of basic dyes.
- m) What are advantages of natural dyes?
- n) Define dye.
- o) What is PH?
- p) Name any two reducing agents.
- q) Which dye is used to dye polyester?
- r) What is oxidation?

SECTION-B

Note: Short answer type questions. Attempt any ten parts 10x4=40

- Q.2
- i) How an OBA works?
 - ii) What are metal complex dyes?

- iii) Compare acid and basic dyes?
- iv) Which dyes are used to dye PET? Why?
- v) Write recipe for direct dyes?
- vi) What are basic dyes?
- vii) List some properties of VAT dyes.
- viii) List some application of azoic dyes.
- ix) List some defects in application of sulphur dyes.
- x) Write salient features acid dyes.
- xi) In dyeing what is difference between exhaustion and fixation.
- xii) Discuss the principle involved in hank dyeing machine.
- xiii) What are various steps in direct dyeing?
- xiv) What are modified basic dyes?
- xv) Write the recipe for sulphur dyeing?