

xv) Write short note on eco friendly dyes.

### SECTION-C

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

- Q.3 Describe the construction & working of Loose stock dyeing machine.
- Q.4 Explain the preparation of Polyster for dyeing & application of disperse dye on it.
- Q.5 Explain the construction & working of union & cross dyeing machine.
- Q.6 Explain the principle & methodology involved in application of metal complex & mordant on wool.
- Q.7 Write short notes on:-
- a) Perspiration fastness
  - b) Banned dyes & chemicals

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**5th 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 is prime objective of dyeing?
  - b) Name any artificial dye.
  - c) What is a vegetable dye?
  - d) What is an acid dye?
  - e) What are reactive dyes?
  - f) What is use of drying in dyeing process?
  - g) What is resist dyeing?
  - h) What are sulphur dyes?
  - i) What is function of bleaching agent?

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- j) What is full form of HTHP?
- k) Name any natural dye.
- l) What are mineral dyes?
- m) What are pigment dyes?
- n) What are vat dyes?
- o) What is calendaring?
- p) What are direct dyes?
- q) Give an example of artificial dye.
- r) What is Tie & Die?

### SECTION-B

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

- Q.2
- i) Describe properties of basic dye stuff.
  - ii) Explain working of Hank dyeing machine.
  - iii) Write short note on carrier dyeing.

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- iv) Explain the defects by using blend of disperse/Vat dyes.
- v) What are the essential points which one should keep in mind when dyeing the fabrics at home?
- vi) What all preparations are to be done before tying & dyeing of any fabric?
- vii) Write short note on washing fastness.
- viii) Explain the remedies of defects by using blend of disperse/reactive dyes.
- ix) How can we tie & dye a dupatta?
- x) Explain the process of Batik dyeing in detail.
- xi) Explain the defects by using blend of disperse/Acid dyes.
- xii) What are common faults in dyeing.
- xiii) Write short note on cold water dyeing.
- xiv) Explain working of beam dyeing machine.

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