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B.TECH (TEXTILE CHEMISTRY)
(SEM VI) THEORY EXAMINATION 2017-18
TECHNOLOGY OF PRINTING-II

Time: 3 Hours

Total Marks: 100

Note: 1. Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

1. Attempt *all* questions in brief. 2 x 10 = 20

- (a) Define thermofixing.
- (b) What is flock printing?
- (c) What is discharge style of printing?
- (d) Write down difference between Foam and bubble printing?
- (e) What do you mean by resist style of printing?
- (f) Define emulsifier?
- (g) Define ageing.
- (h) What do you mean by Poly chromatic dyeing?
- (i) Differentiate between saturated and superheated steam fixation?
- (j) Define resist style of printing.

SECTION B

2. Attempt any *three* of the following: 10 x 3 = 30

- (a) What are the essential properties of thickeners? Write down the properties of sodium alginate.
- (b) Describe printing of cellulose fabric done by using vat dye.
- (c) Describe the function of different oxidizing, reducing agent use in printings.
- (d) Describe Printing of cellulose with direct dye.
- (e) Describe printing of cotton fabric with azoic dyes.
- (f) Discuss the preparation of cotton fabric for printing.

SECTION C

3. Attempt any *one* part of the following: 10 x 1 = 10

- (a) Describe merits and limitations of transfer printing.
- (b) Describe Printing of acrylic fabric with basic dye.

4. Attempt any *one* part of the following: 10 x 1 = 10

- (a) Describe Printing of P/C blend fabric.
- (b) Describe printing of polyester with disperse dye. Define Different steaming process for polyester fabrics after printing.

- 5. Attempt any *one* part of the following: **10 x 1 = 10****
- (a) Describe the printing of cellulose fabric done by using reactive dyes. What do you mean by flash ageing method for reactive printing?
 - (b) Describe the naphthol nitrite printing method.
- 6. Attempt any *one* part of the following: **10 x 1 = 10****
- (a) Write down Different steaming process for polyester fabrics after printing?
 - (b) Describe the printing of polyester wool blend done by using disperse and reactive dyes.
- 7. Attempt any *one* part of the following: **10 x 1 = 10****
- (a) Describe Printing of acrylic wool blends.
 - (b) Describe the Printing of wool and silk with reactive dye and acid dyes.