Printed Pages: 01 **Sub Code: NTT403**

Paper Id: **161231** **Roll No.** | | | | | | | | | | | | |

B.TECH
(SEM IV) THEORY EXAMINATION 2018-19
WET PROCESSING OF TEXTILES-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) Name any one reducing agent use in printing.
(b) Tie and dye is the example of which style of printing?
(c) What is the role of soda ash in dying?
(d) Write classification of direct dyes.
(e) Write classification of vat dyes.
(f) Define purpose of cross linking.
(g) Define dye auxocrome and chromophore.
(h) Name any two chemicals use in fire retardant finishing.
(i) Write any two anti bacterial agents.
(j) What is finishing?

SECTION B

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

(a) Write any polyester dying method and recipe.
(b) Write dying method of wool fibers in detail
(c) What are the styles and methods of printing?
(d) Differentiate between resist and discharge style of printing.
(e) What is the classification of finishing write in detail?

SECTION C

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

(a) What are the desired properties of thickeners?
(b) Write flat bed screen printing technology in detail.

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

(a) Write about any two aesthetic finishing in detail
(b) Write about any two in detail:-
i). Milling ii). Brusing iii). Heat setting

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

(a) Write details about anti-bacterial and anti-fungal finishing.
(b) What are anti static and soil release finish?

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

(a) Write dying method to dye nylone and wool blend.
(b) How acrylic fibers are dyed. Write their dying cycle with all concentrations and temperatures.

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

(a) Differentiate between exhaust and continuous dying method
(b) Write the dying recipe for dying cellulosic fiber by direct dye.