Printed Pages: 02 **Sub Code: NCT403**

Paper Id: **164230** **Roll No.** | | | | | | | | | | |

BTECH
(SEM IV) THEORY EXAMINATION 2018-19
FABRIC MANUFACTURE-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) What is sley eccentricity ratio?
(b) Write down the function of check strap?
(c) What are the parts of picking cam? Show with neat sketch.
(d) What is the function of dobby?
(e) What is loose reed mechanism?
(f) What is the use of drop box motion?
(g) State the function of reed.
(h) What is warp protector mechanism?
(i) What are different types of weft stop motion?
(j) What are the differences between group and individual drive of loom?

SECTION B

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

(a) Describe positive shedding mechanism.
(b) Describe various shuttle checking devices.
(c) Describe crank beat up mechanism with diagram.
(d) What is sley eccentricity? What are the effects on fabric properties?
(e) Describe any one warp stop motion.

SECTION C

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

(a) Explain cam dobby with appropriate diagram
(b) Describe the working of Eccle's drop box mechanism.

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

(a) Describe various temples with diagram.
(b) Describe any one warp protector mechanism.

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

(a) What is the difference between side weft fork and centre weft fork motion. Describe any one with schematic diagram.
(b) What is the objective of let off motion? Describe negative let off motion.

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

(a) Describe negative tappet shedding with neat sketch.
(b) Describe cone underpick mechanism.

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

(a) Describe the features of Climax dobby with neat diagram.
(b) State different types of shed with diagram.