

(Following Paper ID and Roll No. to be filled in your Answer Books)

Paper ID : 160617

Roll No.

**B.TECH.**

**Theory Examination (Semester-VI) 2015-16**

**TECHNOLOGY OF FINISHING-I**

*Time : 3 Hours*

*Max. Marks : 100*

**Section-A**

**Q1: Attempt all questions. All parts carry equal marks. Write answer of each part in short. (2×10=20)**

- (a) Give two examples of permanent finishes.
- (b) Which fibre is related with the term "scoop".
- (c) What is meant by swizzing effect?
- (d) What are the objects of stentering?
- (e) Stone wash effect is produced in ..... in fabrics.
- (f) Milling is done in ..... fabrics (woollen/Worsted).

- (g) What is Blow ratio?
- (h) Define easy care finish.
- (i) Name any two stiffening agents.
- (j) Give arrangements of bowls for embossing calendar.

### Section-B

**Q2. Attempt any five questions from this section.**

**(10×5=50)**

- (a) What is the object of finishing? Give principles for cotton and wool finishing. Name various type of finishes employed for cotton.
- (b) Define expression of padding mangle. Describe working of various types of mangles with appropriate sketches.
- (c) Which finishes are required for linen fabric? Discuss by giving principle of linen fabric finishes.
- (d) Why stiffening of fabric is required. How it is carried out?
- (e) Write a note on foam technology of finishing?

- (f) Give the utility of crease resistance finish. How anti crease finish is applied on cotton materials.
- (g) Define the term creping. How creping is introduced in rayon.
- (h) Discuss functions of stenter by suitable diagram?

### Section-C

**Note: Attempt any two questions from this section.**

**(15×2=30)**

- Q3. Discuss mechanism of drying. Explain various methods of mechanical drying with the help of neat diagram.
- Q4. Describe chief process for imparting permanent setting to woollen fabric.
- Q5. How will you define a softener? Classify various softeners. Give broad classification of Cationic softeners with advantages, disadvantages and applications.