



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

PAPER ID : 160406

Roll No.

--	--	--	--	--	--	--	--	--	--

B. Tech.

(SEM. IV) THEORY EXAMINATION, 2014-15
TECHNOLOGY OF DYEING - I

Time : 3 Hours]

[Total Marks : 100

Note : Attempt all questions. All questions carry equal marks.

- 1 (a) Differentiate between, colours and dyes. Classify dyes according to methods of application.
- (b) How dyes are bonded with. textile fibers? Express with suitable support.
- (c) Describe continuous method of dyeing.

- 2 (a) Explain in detail the fundamentals of dyeing technology.
- (b) Name the dye that forms covalent bond with cellulosic fibers. Classify reactive dyes with its application procedure on cotton.
- (c) Vatting is required for which dye ? How it is done? Give the technical details of dyeing with this dye.

- 3 (a) Explain the term Diazotization and Coupling. How it is utilized in dyeing with Azoic dyes.
- (b) Acid dyes can be applied on which fibers? How it dyes woolen fabric?
- (c) Write notes on either sulfur dyes or mineral colours.
- 4 (a) Write a brief note on common faults that occur in dyeing and their remedies.
- (b) Explain the dyeing of polyester fabric on High temperature High pressure beaker dyeing machine
- (c) Discuss dyeing of wool with basic dyes.
- 5 Write short notes on :
- (a) Recent developments in dyeing techniques.
- (b) Metal complex dyes.
- (c) Dyeing of Nylon.
- (d) Dyeing of Acrylic.
-