

Reg. No.

## MANIPAL UNIVERSITY

### FOURTH SEMESTER B.DES. (FD) DEGREE EXAMINATION – MAY 2016

SUBJECT: BFD 204 – FABRIC PROCESSING AND SURFACE DESIGN I  
(2013 & 2014 SCHEME)

Thursday, May 26, 2016

Time: 14:00 – 17:00 Hrs.

Max. Marks: 50

✍ Answer any FIVE complete questions.

✍ Illustrate wherever necessary.

1A. What are the auxiliaries used in polyester dyeing?

1B. What do you understand by roller printing?

1C. Define sanforizer.

1D. Why do fabrics shrink? Give reasons.

(2+3+2+3 = 10 marks)

2A. Explain the method of indigo dyeing on cotton.

2B. What do you understand by the term “Batik Printing”?

2C. Explain the classification of reactive dyes.

(4+3+3 = 10 marks)

3A. Explain the mechanism and application for disperse dyes.

3B. How do you classify finishes? Explain with suitable examples.

(5+5 = 10 marks)

4A. What do you understand by warp and duplex prints?

4B. What are the steps required for applying a finish to textile? Explain.

4C. Explain the objectives of scouring.

(4+3+3 = 10 marks)

5A. What are the processes used for heat transfer printing? Explain its types.

5B. Explain any one dyeing machinery that is used for dyeing with proper sketch.

(5+5 = 10 marks)

6. Explain the following terms:

6A. Resist print

6B. Mechanism of fire repellent finish

6C. Sanding and sueding

6D. Types of Anti-bacterial finish

6E. Water proof and water repellent finish

(2 marks × 5 = 10 marks)

