

MANIPAL UNIVERSITY

FOURTH SEMESTER B.DES. (FD) DEGREE EXAMINATION – JULY 2017

SUBJECT: BFD 204 – FABRIC PROCESSING AND SURFACE DESIGN I

Thursday, July 13, 2017

Time: 10:00 – 13:00 Hrs.

Max. Marks: 50

✍ Answer any FIVE complete questions.

✍ Illustrate wherever necessary.

- 1A. Explain the process of printing.
1B. Explain the process of rotary screen printing.

(5+5 = 10 marks)

2. Explain the following.
2A. Expression
2B. Shade percentage
2C. Vegetable dyes
2D. Dyeing assistants
2E. Sulphur dyes

(1+1+2+3+3 = 10 marks)

3. Explain the following:
3A. Open beck dyeing
3B. Jig dyeing
3C. 2 bowl pad mangle
3D. Package dyeing
3E. Principles of dyeing

(2 marks × 5 = 10 marks)

- 4A. Explain the steps involved in tie and dye.
4B. Write a short notes on discharge printing and heat transfer printing.

(5+5 = 10 marks)

5. Explain the following:
5A. Singeing using gas flames
5B. Bleaching using sodium hypochlorite
5C. Desizing by rot steep
5D. Crabbing
5E. Mercerization

(2 marks × 5 = 10 marks)

6. Explain any five special finishes.

(10 mark)

