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MANIPAL UNIVERSITY

THIRD SEMESTER B. DES. (FD) DEGREE EXAMINATION – NOVEMBER 2015

SUBJECT: BFD 203 – TEXTILES
(2013 AND 2014 SCHEME)

Saturday, November 21, 2015

Time: 10:00 – 13:00 Hrs.

Max. Marks: 50

Answer any FIVE complete questions.

1A. Differentiate between a fiber and textile fiber. Justify with appropriate examples.

1B. What is degumming of silk? Explain in brief.

(5+5 = 10 marks)

2A. What are the classification of fibers?

2B. Explain in detail about polyester fiber with its morphological structure, Physical and chemical properties.

(4+6 = 10 marks)

3A. With the aid of a neat sketch explain the passage of warp through a loom.

3B. What are the basic elements of weave design? Explain with examples.

(5+5 = 10 marks)

4A. What are the classifications of non-wovens?

4B. What are the properties desired in a bonding agent for making a non-woven fabric?

(5+5 = 10 marks)

5A. What are the processes carried out for making yarns from the fibers?

5B. Explain the importance of knitted textile.

(5+5 = 10 marks)

6. Explain the following terms:

6A. Extrusion

6B. Crimp

6C. Direct count system

6D. Needle punching

6E. Non-woven fabric

(2 marks × 5 = 10 marks)

