

MANIPAL ACADEMY OF HIGHER EDUCATION
THIRD SEMESTER B. DES. (FD) DEGREE EXAMINATION – JAN/FEB 2018
SUBJECT: BFD 203 – TEXTILES

Thursday, January 25, 2018

Time: 10:00 – 13:00 Hrs.

Max. Marks: 50

✍ Answer any FIVE complete questions.

- 1A. What are the classification of Non-Woven fabrics?
1B. How do the knitted fabrics differ from the woven fabrics? Elaborate with the help of neat diagrams.
1C. Differentiate between satin and sateen weaves.

(5+3+2 = 10 marks)

- 2A. What fibers are called cellulosic fibers?
2B. Explain any one of cellulosic fibers with its morphology structure, physical and chemical properties.
2C. Create the variations of plain weave.

(2+5+3 = 10 marks)

- 3A. What are primary and tertiary motions in a loom?
3B. Draw the following structures with graphical representation of weaves.
i) 4/4 basket weave
ii) Show a design of pointed twill with graphical representation.
3C. Wool has very good elastic recovery. Justify the statement.

(3+5+2 = 10 marks)

- 4A. What are the operations that are carried out in spinning and explain with their objectives in details?
4B. Elaborate the essential characteristics of a fiber that may use for textile. Justify with appropriate examples.

(5+5 = 10 marks)

- 5A. What is knitting?
5B. Describe the differences between flat knitting and circular knitting with examples.
5C. Difference between nylon 6 and nylon 66.

(2+5+3 = 10 marks)

6. **Explain the following terms:**

- 6A. Spinneret
- 6B. Resiliency
- 6C. Web formation
- 6D. Heat setting
- 6E. French counting system

(2 marks \times 5 = 10 marks)

