

# MANIPAL UNIVERSITY

THIRD SEMESTER B. DES. (FD) DEGREE EXAMINATION – NOVEMBER 2017

SUBJECT: BFD 203 – TEXTILES

Thursday, November 09, 2017

Time: 10:00 – 13:00 Hrs.

Max. Marks: 50

✍ Answer any FIVE complete questions.

1A. What are the classification of fibers?

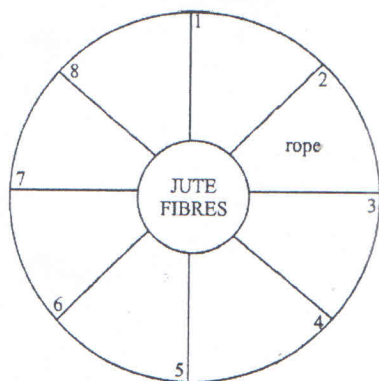
1B. Explain in detail about polyester fiber with its morphological structure, physical and chemical properties.

(4+6 = 10 marks)

2A. With the aid of a neat sketch explain the passage of warp through a loom.

2B. What are the basic components of weave? Explain with examples.

2C. Fill in the names of useful items made from jute fibers in below figure.



(4+3+3 = 10 marks)

3A. What are the classifications of non –woven.

3B. What are the properties desired in a bonding agent for making a non-woven fabric?

3C. Explain all types of novelty yarns.

(4+3+3 = 10 marks)

4A. Differentiate between a fiber and textile fiber. Justify with appropriate examples.

4B. State what the regenerated fibers are. Explain in brief.

4C. What are the main objectives of draw frame?

(5+3+2 = 10 marks)

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

5B. Explain the importance of knitted textile.

5C. Make a design for herringbone twill weave of 6\*12 with 3/3.

(4+3+3 = 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)

