Reg. No.										

MANIPAL UNIVERSITY

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

SUBJECT: BFD 401 – APPAREL PRODUCTION MANAGEMENT

Wednesday, November 15, 2017

Time: 10:00 – 13:00 Hrs. Max. Marks: 50

Answer any FIVE complete questions.

1A. What are the advantage and disadvantages of straight knife cutting machines?

1B. Draw a neat diagram of zipper with its proper details.

1C. What are the function and components of feed mechanism?

(3+3+4 = 10 marks)

2A. What are the processes involved to conduct method study?

2B. What is the relationship between method study and time study?

2C. What are the problems and remedies before applying ergonomics in the different section of garment industry?

(3+3+4 = 10 marks)

3A. Evaluate the different types of maintenances in garment industry.

3B. How to determine number of sewing line needed for a line?

3C. Describe ABC and VED analysis.

3D. How can one design effective layouts for a garment industry? Illustrate with an examples.

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

4A. Find out whether the following fabric is accepted or not by using four point system.

Defect Length	No. of Defects
1.5"	06
2.5"	04
3.0"	04
6.0"	05
Holes and Openings	
0.4	01
1.2	03

Assume the fabric width is 40" and length is 130 yards

4B. Calculate the number of pieces in each size and colour based on the following ratios for a total order quantity of 4000 pieces

Size	S	M	L	XL
Ratio	4	2	1	3
Colour	Green	Orange	Blue	Yellow
Ratio	4	4	4	4

4C. Write short notes on different AQL used for acceptance or rejection of the lot.

(4+4+2 = 10 marks)

5A. Write short notes on the different elements that affect the strength of the seam.

5B. Explain yarn severance.

5C. Write short notes on shade sorting.

5D. Write short notes on the standard conditions for testing.

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

6. **Explain the following:**

6A. Quality control and quality assurance

6B. PD and DHU

6C. Pre-production inspection and in process inspection

6D. Performance specification and technical specification

6E. Arbitrary sampling and acceptance sampling

(2 marks × 5 = 10 marks)