

Reg. No.									
----------	--	--	--	--	--	--	--	--	--

MANIPAL ACADEMY OF HIGHER EDUCATION

SEVENTH SEMESTER B. DES. (FD) DEGREE EXAMINATION – NOVEMBER 2019

SUBJECT: BFD 401 – APPAREL PRODUCTION MANAGEMENT
(2015 SCHEME)

Monday, November 11, 2019

Time: 10:00 – 13:00 Hrs.

Max. Marks: 50

- ✗ Answer any full FIVE questions.
- ✗ Answer all parts of a question.
- ✗ Support the answers with neat Illustrations wherever required.

- 1A. Summarise the structure and sectors of clothing industry.
- 1B. Interpret on concerning ergonomics aspect in an apparel industry with focus on cutting department and assembling department.
- 1C. Illustrate on the elements of Material requirement planning.
- 1D. Define time study.
- 1E. Define total productive maintenance.

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

- 2A. A buyer approached an apparel manufacturing firm to design and produce Men's formal shirt. The head designer had prepared the design sheet and approached the technical team to decide on the seams and stitches to be used while assembling each component. You need to suggest them appropriate seam type and stitch class as per BS standard that can be used to assemble each component. Justify your answer for the selection of stitch and seam.
- 2B. List out the factors that influence the appearance and performance of sewn seams.
- 2C. Explain the requirements of the spreading process. Note down the type of spread that can be used for a velvet fabric.
- 2D. Name the stitch types that are generally used for stitching the side seams and hem edges of knitted T shirts. Justify your answer.
- 2E. What is the advantage of using flat seam for knitted underwear?

(4+1+3+1+1 = 10 marks)

- 3A. Name the feed mechanism that can be used to prevent puckering while assembling two layers of slippery, or heavy elastic net and polyester satin fabric.
- 3B. Differentiate waddings and shoulder pads.
- 3C. Briefly explain on Flat bed fusing press.
- 3D. Define work aids. What are the advantages of having work aids?
- 3E. What are the functions of a sewing machine feed system?
- 3F. Briefly explain on types of fasteners.

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

- 4A. How can quality in apparel industry boost the economic growth of India?
- 4B. What do you mean by sorting of apparel? Explain.
- 4C. Write a note on Care symbols. Illustrate wherever required.

(2½+2½+5 = 10 marks)

- 5A. Write about your experience of visiting any production house/ office and suggest the implication of 5S kaizen concept to improve the working efficiency.
- 5B. What strategy will you suggest to introduce zero garment defect in apparel industry?
- 5C. Why is Sampling important prior to bulk production in apparel industry.

(3+3+4 = 10 marks)

- 6A. Which industrial sector in textile manufacturing should do flammability test to the garments? Support your answer with appropriate justification.
- 6B. A kid's wear apparel manufacturer looks for the essential tests to be done on apparel. What would you suggest to the manufacturer?
- 6C. A manufacturer of Home Furnishing unit wants to give his sample for testing. Suggest him the suitable tests that can be carried on the home furnishings. Explain in detail.

(2+4+4 = 10 marks)

