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**B. Sc. Fashion Technology (Semester- 4th)**

**INDUSTRIAL ENGINEERING**

**Subject Code: BETE2427**

**Paper ID: [130218]**

**Time: 03 Hours**

**Maximum marks: 60**

**Instruction for candidates:**

1. Section A is compulsory. It consists of 10 parts of two marks each.
2. Section B consist of 5 questions of 5 marks each. The student has to attempt any 4 questions out of it.
3. Section C consist of 3 questions of 10 marks each. The student has to attempt any 2 questions.

**Section – A**

**(2 marks each)**

Q1. Attempt the following:

- a) Industrial Engineering
- b) Relative Humidity
- c) Productivity
- d) Material handling
- e) SPI
- f) Plant layout
- g) Product layout
- h) Learning curve
- i) SMV
- j) Work aids

**Section- B**

**(5 marks each)**

- Q2. Explain the importance of Industrial Engineering in Apparel Industry.
- Q3. List out the indicators of low productivity.
- Q4. Define work study. Discuss the techniques and procedure of work study.
- Q5. What are the elements of work study?
- Q6. Discuss the application of robotics in apparel industry.

**Section- C**

**(10 marks each)**

- Q7. Explain any five types of work aids used in sewing machine.
- Q8. What is PMTS? Explain its procedure and its advantages.
- Q9. Define ergonomics. Discuss its importance and impact in apparel industry.