RollNo…….. **Total No. of Printed Pages: [01]**

Total No. of Questions: [09]

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.