Roll No……..….. **Total No. of Printed Pages: 1**

Total No. of Questions: [09]

B. Sc. (Fashion Technology) (Semester-6th)
PLANT LAYOUT AND FACILITY DESIGN
Subject Code: BFTE2642
Paper ID: 130226

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. Define Plant layout.
b. Categories of facility design.
c. Selection of equipment in material handling
d. Line balancing.
e. Unit load concept.
f. Aisles.
g. Plant location and lighting.
h. Modular design concept.
i. Maintenance of facility design.
j. Computer aided layout.

Section – B **(5 marks each)**

Q2. Warehouse layout model.
Q3. Types of plant layout.
Q4. Factors for consideration in space planning.
Q5. Approaches to facilities planning.
Q6. Principles of material handling.

Section – C **(10 marks each)**

Q7. Theories of plant location and location economics.
Q8. Plant layout in Textile and garment industry .Its objectives and principles.
Q9. Factors influencing facility design in Textile and garment industry.