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

Total No. of Questions: [09]

B. Sc. (Food Tech)/B.F.S.T (Hons.) (Semester-6th)

FOOD PLANT LAYOUT

Subject Code: BFOTD1-613

Paper ID: [19131731]

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) Plant layout symbols
b) Network analysis
c) Variable costs
d) CPM
e) Smoothing
f) Scheduled maintenance
g) Break Even Analysis
h) Material Index
i) PERT
j) Fixed costs

Section – B **(5 marks each)**

Q2. Describe the concept of plant location

Q3. Discuss various advantages of a good plant layout.

Q4. Discuss process selection for a food processing industry.

Q5. Describe the role of management set up in a food processing plant

Q6. Discuss the selection of building material in construction to establish a food processing plant.

Section – C **(10 marks each)**

Q7. Discuss basic outlines of potato products manufacturing food industry.

Q8. Discuss preventive and predictive maintenances for a food processing industry.

Q9. Draw a flow chart to establish a food processing industry and discuss in detail.