

B.Sc. FOOTWEAR TECHNOLOGY (BSCFWT)

Term-End Examination

December, 2016

**BFWE-043 : PRODUCTION AND OPERATION
MANAGEMENT – III**

Time : 3 hours

Maximum Marks : 70

Note : Attempt any seven questions. All questions carry equal marks.

1. Describe the role of Production Planning and Control (PPC) in a footwear unit. Draw an organisation chart indicating how the PPC department coordinates with other departments. 10
2. What is the role of in-process quality control in a footwear firm ? Explain with the help of a suitable example. 10
3. Discuss the method of loading with reference to the clicking, closing and lasting sections. 10
4. What is line balancing ? Write down the method of line balancing with the help of suitable examples from footwear company. 10
5. Explain the different types of maintenance by giving suitable examples. Suggest an organisation structure for a medium-sized footwear company. 10

6. Describe the process of launching a new footwear product in the market. Give suitable examples. 10

7. A small firm intends to increase the capacity of a bottleneck operation by adding a new machine. Two alternatives, 'A' and 'B', have been shortlisted, and the associated costs and revenues have been estimated. Annual fixed costs would be ₹ 4,00,000 for 'A' and ₹ 3,00,000 for 'B'; variable costs per unit would be ₹ 100 for 'A' and ₹ 120 for 'B' and revenue per unit would be ₹ 150 for 'A' and ₹ 160 for 'B'.

Determine :

10

- (a) Break-even-point in units for each alternative
- (b) Volume of output at which the two alternatives yield the same profit

8. Discuss the different types of maintenance activities performed in a medium-sized footwear company. 10

9. Write short notes on any *two* of the following : 5+5=10

- (a) Productivity
- (b) Exponential Smoothing Method
- (c) Difference between footwear production and leather production