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**PRESIDENCY UNIVERSITY  
BENGALURU**

**SCHOOL OF MANAGEMENT  
MID TERM EXAMINATION - NOV 2023**

**Semester :** Semester III -2022

**Course Code :** MBA3063

**Course Name :** Sem III - MBA3063 - Lean Supply Chain Management

**Program :** MBA

**Date :** 7-NOV-2023

**Time :** 2:00PM - 3:30PM

**Max Marks :** 50

**Weightage :** 25%

**Instructions:**

- (i) Read all questions carefully and answer accordingly.
- (ii) Question paper consists of 3 parts.
- (iii) Scientific and non-programmable calculator are permitted.
- (iv) Do not write any information on the question paper other than Roll Number.

**PART A**

**ANSWER ALL THE QUESTIONS**

**(5 X 2 = 10M)**

1. State the definition of JIT. (CO1) [Knowledge]
2. State the definition of Lean. (CO1) [Knowledge]
3. State any 2 benefits of KANBAN system in LSCM. (CO1) [Knowledge]
4. State the importance of MRP in LSCM. (CO2) [Knowledge]
5. List the difference between Cyclical and Seasonal patterns in demand forecasting. (CO2) [Knowledge]

**PART B**

**ANSWER ALL THE QUESTIONS**

**(3 X 6 = 18M)**

6. KAIZEN is one of the important approaches to achieve improvement in process. Explain with a suitable example the importance of KAIZEN in LSCM. (CO1) [Comprehension]
7. Inventory management is a voluminous task and the managers in charge of inventory go through lots of regular inspections. One of the objectives to reduce the burden on inventory management is to keep the inventory requirements as low possible. Heijunka is one of the ways to reduce the burden on inventory systems. Explain the importance of Heijunka with examples applicable to LSCM. (CO2) [Comprehension]

8. Various aspects of improving the productivity in a manufacturing unit focusses on the flow in the production process. There are 7 important flows that are considered in the manufacturing unit. Discuss the seven flows of manufacturing.

(CO2) [Comprehension]

### **PART C**

#### **ANSWER THE FOLLOWING QUESTION**

**(2 X 11 = 22M)**

9. In a production centre it is found that the manager always refers to MPS. MPS is developed to bring out various details related to production process. List the various elements of MPS. Explain in detail how does MPS practically benefit a company in implementing and maintaining lean processes.

(CO2) [Application]

10. A company Prime-Log caters to the transportation needs of heavy weight signal towers. Prime-Log caters to large volumes of shipments pertaining to assembly of a Signal Towers. A tower requires 4 major components for its assembly. The Components are C1, C2, C3, and C4. The quarterly demand for the components is 1200, 2400, 6000 and 4200 respectively. Assume that Prime-Log works on fortnightly basis, prepare a POQ table to indicate the schedule that would result if we were to build in a quarterly interval and how it would be different if we built a fortnightly interval for the components. Indicate sample steps involved in the determination of the schedule. Explain in detail the benefits of adopting smaller intervals and its importance in lean inventory management.

(CO2) [Application]