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**PRESIDENCY UNIVERSITY
BENGALURU**

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

Semester : Semester V - 2021

Course Code : BBA3042

Course Name : Sem V - BBA3042 - Lean Supply Chain Management

Program : BBA

Date : 3-NOV 2023

Time : 9:30AM - 11:00AM

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. Explain the concept of "pull" in Lean Supply Chain Management. (CO1) [Knowledge]
2. What do you mean by Inventory Cycle (CO1) [Knowledge]
3. What is Lean Supply Chain Management, and how does it differ from traditional supply chain management practices? (CO1) [Knowledge]
4. Explain five lean principles with example. (CO2) [Knowledge]
5. Define Lean Leadership. (CO2) [Knowledge]

PART B

ANSWER ALL THE QUESTIONS

(2 X 10 = 20M)

6. XYZ situated near Pune, India which produces over 60 components and supplies to leading valve manufacturers in India. The one of the component they produce is valve body cap which having major volume and total defective relatively high. The volume of production of this component is in the range of thousands per month.
In this regard, Suggest some measures how the company can reduce its wastages by applying Lean principles. (CO1) [Application]

7. Deloitte enjoyed 79% of businesses with highly efficient supply chains, greater than average revenues compared to others in their industries. Also with optimal supply chains, enjoyed 3x faster cash-to-cash cycles and have 15% lower supply chain costs while keeping only 50% of the inventory holdings compared to their counterparts with sub-optimal supply chains. In this regard substantiate your view point on benefits of outsourcing on Supply Chain process.

(CO2) [Application]

PART C

ANSWER THE FOLLOWING QUESTION

(1 X 20 = 20M)

8. STS Ltd is a leading supplier of building board solutions for applications across construction, fire protection, tile backing, water proofing, ceiling boards, and floor boards based in Leeds, UK. Having grown rapidly, the company moved into new premises several years ago. However, the temporary layout of the warehouse was beginning to be a concern. If the demand rose to expected levels, they would struggle to deliver on customer expectations without damaging profitability and risks to health and safety. Having made the significant investment in moving to a new site, STS quickly moved racking and stock into with a temporary layout to keep the business running and minimize disruption. However, the following problems were beginning to challenge the company:

- **Congestion from stock in working areas and main aisles**
 - Slowing down movement and creates work
 - Multiple handing of goods causing damage
- **Long overseas supply chain means sudden increases in stock level**
 - Lack of space to process and deliver on priority orders
- **No flow in the warehouse**
 - Increasing transport and movement and “work filling the day”
- **Unsafe storage of stock – e.g. pyramids of boards**
 - Major risks of an incident due to collapsing rack or pallets
- **Building is not being utilized efficiently**
 - Height is wasted
 - Doors not being used to best effect

Before the company came under pressure from the high demand, it made sense to create a lean, safe, and scalable layout which can be replicated as STS grows. With the above challenges in mind, how could you suggest that outsourcing all its supply chain will enhance its lean process in the company?.

(CO1) [Application]