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**PRESIDENCY UNIVERSITY
BENGALURU**

SCHOOL OF MANAGEMENT

TEST 1

Winter Semester: 2021 - 22

Course Code: BSC 106

Course Name: Lean Supply Chain Management

Program & Sem: BBA Logistics & Supply Chain Management VI

Date: 26-04-2022

Time: 03:00PM 04:00PM

Max Marks: 30

Weightage: 15%

Instructions:

(i) Read the all questions carefully and answer accordingly.

Part A [Memory Recall Questions]

Answer all the Questions. Each question carries One marks. (10Qx 1M= 10M)

1. Which among the following is the aim to maximize customer value and reduce wastage

(CO1, Knowledge)

- a. Agile b. Supply Chain c. Lean d. None of the above.

2. Which among the following companies initiated "Manufacturing to Order" Concept.

(CO1, Knowledge)

- a. Hyundai b. Ford c. Suzuki d. Toyota

3. The main aim of Lean Supply Chain is

(CO1, Knowledge)

- a. Repeating the work b. Procrastination c. Making Work Complex d. Respect Workers

Say True or False:

4. The main aim of Lean Supply Chain is wastage elimination in the process (T/F)

(CO1, Knowledge)

5. Lean mainly focus on human capital Management (T/F)

(CO1, Knowledge)

6. Overproduction is always profitable to the organization in the long run (T/F)

(CO1, Knowledge)

7. What do you mean by Unused employee creativity?

(CO1, Knowledge)

8. Who first defined the five principles of Lean manufacturing in his book of “The Machine that changed the world”. (CO1, Knowledge)
- a. Womack Jones b. Leo Tolstoy c. Charles Babbage d. Henry Ford
9. What do you mean by Kanban? (CO1, Knowledge)
10. What do you mean by JIT? Explain with example. (CO1, Knowledge)

Part B [Thought Provoking Questions]

Answer all the Questions. Each question carries Five marks. (2Qx5M=10M)

11. A Leading garment company in India wants to curtail its losses and maximize its production. Suggest how by applying Lean principles they can achieve their target with an example of your choice. Also write about What are the wastes associated with Lean management (CO1, Knowledge)

12. ABC Restaurant finds its competitor XYZ is performing well and gaining good customer support and profit. So ABC restaurant decides to implement Lean approach. What Strategy you suggest for the betterment that is Push or Pull Strategy. Provide answer with suitable example.

(CO1, Knowledge)

Part C [Problem Solving Questions]

Answer all the Questions. Each question carries Ten marks. (1Qx10M=10M)

13. An leading IT company finds lot of attrition rate (People leave the company) among the employees. Even the company offers best of the package compensation at par with the industry. But still people leaves the company. The resigned employees gave a report that they resigned because of politics prevailing in the lower order the high level and management is not listening to the issues of its employees. In this regard: (CO1, Knowledge)

- a. Suggest the company how to curtail this attrition.
- b. By applying Lean management principles how the company can boost better employee turnover in the organization.
- c. Identify how company can identify the perception of its employees.



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SCHOOL OF MANAGEMENT

TEST 2

Winter Semester: 2021 - 22

Course Code: BSC 106

Course Name: Lean Supply Chain Management

Program & Sem: BBA Logistics & Supply Chain Management/ VI Sem

Date: 1st June 2022

Time: 03:00 PM to 04:00 PM

Max Marks: 30

Weightage: 15%

Instructions:

(i) *Read the all questions carefully and answer accordingly.*

Part A [Memory Recall Questions]

Answer all the Questions. Each question carries ONE marks.

(10Qx 1M= 10M)

- It revolves around the concept of helping people achieve professional and personal growth; and allowing them to take pride in both their work and themselves. [1M] (CO2, Comprehension)
a. Agile b. Supply Chain c. Lean d. None of the above.
- The impact of e-business technologies on supply chain operations have resulted in a reduced
a. bullwhip effect b. Panorama effect c. Manheim effect d. None of these
[1M] (CO3, Comprehension)
- _____ is the automation of the purchase process [1M] (CO3, Comprehension)
a. E-Cart b. E-Biz c. E-Casting d. E-procurement

Say True or False:

- The goal of lean supply chain management is to improve the performance in a variety of areas, and to reduce supply costs (T/F) [1M] (CO3, Comprehension)
- Lean supply chain systems increases manufacturing throughput (T/F) [1M] (CO3, Comprehension)
- Adopting Lean Supply Chain Systems will complicate the distribution network of that company. (T/F) [1M] (CO3, Comprehension)
- What is RCAI? [1M] (CO4, Application)
- The Minimization of your carbon footprints and reduction in paper work is an imitative for [1M] (CO2, Comprehension)
a. Blue Supply Chain b. Black Supply Chain
c. White Supply Chain d. Green Supply Chain
- What is Lead Time? [1M] (CO4, Application)
- What do you mean manufacturing cycle? [1M] (CO4, Application)

Part B [Thought Provoking Questions]

Answer both the Questions. Each question carries FIVE marks.

(2Qx5M=10M)

11. 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. [5M] (CO4, Application)

12. Explain the process of integrating Lean Supply Chain Management in E-Commerce

Environments with an example of your choice?

[5M] (CO3, Comprehension)

Part C [Problem Solving Questions]

Answer the Question. The question carries TEN marks.

(1Qx10M=10M)

13. Global electronics manufacturing company is designing and producing low and medium voltage frequency converters and software related to them for different kinds of industries for Marine industry, Paper industry and Oil & Gas industry. The Company's has about 5000 employees in 80 countries. In Finland the unit has a factory in Helsinki where is 1300 employees, of which about 400 persons in R & D. In the operative purchasing, there are six employees in Finland and 11 employees in Estonia. The mission of the company's SCM unit is to achieve significant competitive advantage by reducing total delivered cost, driving best-in-class quality and optimizing supply chains to ensure on-time deliveries and availability as well as minimal inventories. In to practice this means that the unit needs to ensure good material availability, quality and cost competitiveness of all purchased components in its material purchasing process.

Presently, the company is using SAP MRP tool to execute purchasing for internal production units. SAP MRP approach is strongly based on the budget-based demand forecasts. The problem with this type of planning and forecasting lies in its accuracy, and it won't be applicable to optimal for parts that are ordered with short lead-time. In the case context, forecasting mistakes tend to be expensive. If the forecast is too high compared to real demand, there will be excess inventory. If the forecast is too low, the case company will face material shortages.

Suggest measures to improve company's supply chain process to counter this forecasting issues.

[10M] (CO4, Application)



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**PRESIDENCY UNIVERSITY
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SCHOOL OF MANAGEMENT**

END-TERM EXAMINATION

Winter Semester: 2021 - 22

Course Code: BSC 106

Course Name: Lean Supply Chain Management

Program & Sem: BBA Logistics & Supply Chain Management & VI Sem

Date: 30th June 2022

Time: 01:00 PM To 04:00 PM

Max Marks: 100

Weightage: 50%

Instructions:

(ii) Read the all questions carefully and answer accordingly.

Part A [Memory Recall Questions]

Answer all the Questions. Each question carries THREE marks.

(10Qx 3M= 30M)

1. Write short notes on Lean Supply Chain Management? (CO1, Knowledge)
2. Explain Push Strategy in Lean with an example? (CO1, Knowledge)
3. What is Lead time? Explain with an Example? (CO4, Comprehension)
4. Say True or False: (CO2, Comprehension)
 - i. The main aim of Lean Supply Chain is wastage elimination in the process (T/F)
 - ii. Lean mainly focus on human capital Management (T/F)
 - iii. unused employee productivity is a waste as per lean philosophy. (T/F)
5. What is re-order level? (CO3, Comprehension)
6. Briefly, Explain about agile supply chains with an example. (CO5, Comprehension)
7. What is measurement error in lean? (CO4, Comprehension)
8. Elucidate about Green Supply Chain Management? (CO5, Comprehension)
9. What do you mean by Global Sourcing? (CO5, Comprehension)
10. What do you mean by Lean Paradox? (CO4, Comprehension)

Part B [Thought Provoking Questions]

Answer all the Questions. Each question carries Eight marks.

(5Qx8M=40M)

11. A Leading garment company in India wants to curtail its losses and maximize its production. Suggest how by applying Lean principles they can achieve their target with an example of your choice. Also write about What are the wastes associated with Lean management. (CO1, Knowledge)
12. Jyothi International a leading garment company finds 80% attrition rate of its employers. It wants to study the reason for employee instability in the company. In this regard the company has decided to implement Lean leadership strategy to counter this issue. Explain, how by adapting Lean Leadership will benefit the company from the problem. (CO2, Comprehension)
13. ABC Ltd, is providing online groceries for its customers is presently planning to outsource its marketing process for its company, because of rising costing in manpower, Explain the strategies for the success of B2C operations of a company's supply chain process. (CO3, Comprehension)

14. A leading hospital with 200 nurses and 30 doctors are known to handle emergency situations frequently. Located in the heart of the city of Bengaluru. Some nurses and doctors if at all there is rotation in their shifts are there the employees were forced to work for extra hours with less salary, as a result of this the employees are not happy and slowly the people started resigning from hospital. Suggest some measures how the hospital can retain their employees and boost their production?

(CO5, Application)

15. A large smart-phone manufacturer based in China wanted to ramp up production in order to meet rising market demand. They began by applying smart control and servo technologies using a three-pronged approach: smart control, lean motion control, and smart safety. So, elucidate how this approach will scale-up the production for the company by increasing profitability.

(CO4, Application)

Part C [Problem Solving Questions]

Answer both the Questions. Each question carries Fifteen marks.

(2Qx15M=30M)

16. An leading IT company finds lot of attrition rate (People leave the company) among the employees. Even the company offers best of the package compensation at par with the industry. But still people leaves the company. The resigned employees gave a report that they resigned because of politics prevailing in the lower order the high level and management is not listening to the issues of its employees. In this regard:

(CO1, Knowledge)

- a. Suggest the company how to curtail this attrition.
- b. By applying Lean management principles how the company can boost better employee turnover in the organization.
- c. Identify how company can identify the perception of its employees.

17. 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?

[CO4 Application]