

Supply Chain Management Historical and Quantitative Facts

Supply Chain Management · Answer Key · 20 Questions

1. In what year did Keith Oliver first coin the term 'Supply Chain Management' while working at Booz Allen Hamilton?

- A) 1978
- B) 1982**
- C) 1985
- D) 1990

2. Which invention in 1956 by Malcom McLean revolutionized global shipping by standardizing container dimensions?

- A) The refrigerated container
- B) The intermodal shipping container**
- C) The automated crane system
- D) The pallet tracking barcode

3. The 'Bullwhip Effect' was first identified and documented in the 1960s within which specific company's supply chain?

- A) Ford
- B) Procter & Gamble**
- C) General Electric
- D) Walmart

4. What is the standard length in feet of a TEU (Twenty-foot Equivalent Unit), which serves as the base unit for measuring container ship capacity?

- A) 10 feet
- B) 20 feet**
- C) 40 feet
- D) 45 feet

5. The Toyota Production System (TPS), a precursor to modern lean supply chains, was primarily developed by Taiichi Ohno between which decades?

- A) 1930s-1940s
- B) 1940s-1970s**
- C) 1970s-1990s
- D) 1990s-2010s

6. In 1948, the 'Unit Load' concept gained significant traction when the U.S. Navy introduced which standardized equipment for material handling?

A) The Forklift

B) The Pallet

C) The Conveyor Belt

D) The RFID tag

7. What percentage of global trade by volume is transported via sea freight, according to the International Chamber of Shipping?

A) Approx 50%

B) Approx 70%

C) Approx 90%

D) Approx 99%

8. The 'Economic Order Quantity' (EOQ) model, which determines the optimal order size to minimize costs, was developed by Ford W. Harris in what year?

A) 1913

B) 1925

C) 1938

D) 1952

9. What was the total number of GS1 standard prefixes assigned to identify unique company manufacturers globally?

A) 100

B) 500

C) 1000

D) 2500

10. The first commercial barcode scan occurred in 1974 at a Marsh Supermarket. Which product was the first to be scanned?

A) Coca-Cola

B) Wrigley's Chewing Gum

C) Kellogg's Corn Flakes

D) Heinz Ketchup

11. What is the specific name of the 1990s management framework that focuses on 'Plan, Source, Make, Deliver, Return'?

A) Six Sigma

B) SCOR Model

C) Lean Logistics

D) JIT Inventory

12. In 1994, which company launched the first 'Supply Chain Operations Reference' (SCOR) model working group?

A) The Supply Chain Council

B) Amazon

C) FedEx

D) Toyota

13. The 'Just-in-Time' (JIT) philosophy, popularized by Toyota, requires a manufacturing lead time reduction often aiming for a lead time of what duration in peak efficiency?

A) Zero

B) 24 hours

C) 48 hours

D) 1 week

14. According to the World Bank Logistics Performance Index (LPI), how many key dimensions are used to measure the efficiency of international supply chains?

A) 4

B) 6

C) 8

D) 10

15. What is the ISO standard number most commonly associated with Quality Management Systems (QMS) used in supply chain manufacturing?

A) ISO 9001

B) ISO 14001

C) ISO 27001

D) ISO 31000

16. In the context of warehouse management, what does the '80/20 rule' (Pareto Principle) usually suggest regarding stock keeping units (SKUs)?

A) 20% of SKUs account for 80% of sales

B) 80% of SKUs account for 20% of sales

C) 20% of the warehouse is empty 80% of the time

D) 80% of staff manage 20% of inventory

17. Which US law enacted in 1980 deregulated the trucking industry, significantly lowering barriers to entry for logistics providers?

A) The Motor Carrier Act

B) The Transportation Reform Act

C) The Shipping Act

D) The Interstate Commerce Act

18. The 'Cold Chain' logistics sector requires maintaining specific temperature ranges, usually between what degrees Celsius for pharmaceutical products?

A) -5 to 0

B) 2 to 8

C) 10 to 15

D) 15 to 25

19. What specific type of RFID tag was first widely adopted for supply chain tracking in the early 2000s?

A) Passive RFID

B) Active RFID

C) Semi-passive RFID

D) Battery-assisted RFID

20. The 'Cross-docking' logistics technique, popularized by Walmart in the 1980s, aims to eliminate which specific supply chain activity?

A) Transportation

B) Long-term storage

C) Loading

D) Packaging