Operations Management – FAQs

1. What is Operations Management?
Operations Management deals with planning, organizing, and controlling processes that convert inputs into finished goods and services.

2. Why is Operations Management important in the current scenario?
Operations Management is crucial today due to global competition, cost pressures, and the need for efficiency and quality.

3. What is the objective of Operations Management?
The primary objective of Operations Management is to maximize efficiency while ensuring quality, speed, and customer satisfaction.

4. How does Operations Management create competitive advantage?
Operations Management creates competitive advantage through cost leadership, quality improvement, flexibility, and timely delivery.

5. What is productivity in Operations Management?
Productivity is the ratio of output produced to inputs used in the production process.

6. What is capacity planning?
Capacity planning determines the optimal production level to meet future demand efficiently.

7. What is demand forecasting?
Demand forecasting is the estimation of future customer demand to support planning and decision-making.

8. What is supply chain management?
Supply chain management coordinates the flow of materials, information, and finances from suppliers to end customers.

9. What is inventory management?
Inventory management involves controlling stock levels to minimize costs while avoiding shortages.

10. What is Just-in-Time (JIT) production?
JIT is a production approach that reduces inventory by receiving materials only when needed.

11. What is Total Quality Management (TQM)?
TQM is a management approach focused on continuous quality improvement involving all employees.

12. What is lean manufacturing?
Lean manufacturing aims to eliminate waste and improve value creation in production processes.

13. What is Six Sigma?
Six Sigma is a data-driven methodology used to reduce defects and process variation.

14. What is process design?
Process design involves selecting and structuring workflows to efficiently produce goods or services.

15. What is operations strategy?
Operations strategy aligns operational decisions with overall business objectives.

16. What is the scope of Operations Management?
The scope of Operations Management includes manufacturing, services, logistics, healthcare, and digital operations.

17. What career opportunities are available in Operations Management?
Operations Management offers careers such as operations manager, supply chain analyst, production planner, and quality manager.

18. Which industries offer strong operations careers?
Manufacturing, e-commerce, logistics, FMCG, healthcare, and IT services offer strong operations careers.

19. What is the role of technology in modern operations?
Technology enhances operations through automation, AI, ERP systems, and data analytics.

20. Why is Operations Management important for MBA students?
Operations Management is important for MBA students because it supports strategic decision-making and efficient business execution.

21. What is workflow analysis?
Workflow analysis studies the sequence of activities to improve efficiency and eliminate bottlenecks.

22. What is bottleneck in operations?
A bottleneck is the stage in a process that limits overall system capacity.

23. What is line balancing?
Line balancing involves distributing tasks evenly across workstations to improve production efficiency.

24. What is material handling?
Material handling refers to the movement, storage, and control of materials within a production system.

25. What is plant layout?
Plant layout is the physical arrangement of machines, equipment, and work areas to optimize production flow.

26. What is preventive maintenance?
Preventive maintenance is the scheduled servicing of equipment to prevent breakdowns and downtime.

27. What is operations scheduling?
Operations scheduling allocates resources and time to tasks to ensure timely completion of work.

28. What is capacity utilization?
Capacity utilization measures the extent to which actual output uses the available production capacity.

29. What is sustainability in operations management?
Sustainability in operations focuses on reducing environmental impact while maintaining operational efficiency.

30. What is Industry 4.0 in operations management?
Industry 4.0 refers to the use of digital technologies like IoT, AI, and automation in modern production systems.