**OVERVIEW OF MFCA**

1. Which aspect of production does MFCA focus on?
   1. Profit
   2. Cost of goods
   3. Machine maintenance
   4. Emissions or losses
2. Which country was MFCA originally developed in?
   1. Australia
   2. Italy
   3. Germany
   4. Japan
3. MFCA doesn’t majorly affect the cost of production of goods. State whether true or false.
   1. True
   2. False
4. MFCA reduces material cost and the environmental impact associated with production. State whether true or false.
   1. True
   2. False
5. What does MFCA stand for?
   1. Modular Frame Crank Adjustment
   2. Material Flow Cost Accounting
   3. Material & Financial Chartered Accountant
   4. None of the above
6. What does MFCA help improve?
   1. Material productivity
   2. Efficiency of the human resources department
   3. Marketing outreach
   4. None of the above
7. MFCA help in the decision making process for whom?
   1. Business executives
   2. On-site managers
   3. Procurement managers
   4. All of the above
8. Which of the following are advantages of MFCA
   1. Improves material productivity
   2. Visualises emissions in the production process
   3. Helps reduce environmental burden
   4. All of the above
9. Material waste includes wastewater, raw material rejection waste, emissions to air and emissions to soil. State whether true or false.
   1. True
   2. False
10. MFCA promotes recycling of waste rather than reduction of waste in the first place. State whether true or false.
    1. True
    2. False
11. Which aspects of the production line does MFCA change?
    1. Product design and raw materials
    2. Decision making in capital investment
    3. Improving efficiency of supply chains
    4. None of the above
12. Should MFCA be applied to all the companies along the supply chain for better results?
    1. Yes
    2. No
13. Industrial engineering and total productive maintenance help visualise ‘time loss’. State whether true or false.
    1. True
    2. False
14. What aspect of production does MFCA help visualise?
    1. Material loss
    2. Cost of hiring personnel
    3. Security of the premises
    4. Environmental impact
15. MFCA can be categorised at which level when it comes to production management methods?
    1. Basic
    2. Intermediate
    3. Advanced
    4. None of the above
16. Can MFCA be applied alongside other production management methods?
    1. Yes
    2. No
17. What does EMA stand for?
    1. Environmental Maintenance Association
    2. Environmental Management Accounting
    3. Energy Management Access
    4. None of the above
18. State which statements are true from the following.
    1. Project team must have direct access to the accounting system
    2. Protocols aren’t important to improve the information system
    3. Never rely on estimates, only accurate data
    4. Project team must include accounting & engineering competences
19. How many days should the EMA assessment workshop be conducted for?
    1. 5-6 days
    2. 1-2 days
    3. 10-12 days
    4. None of the above
20. Which of the following personnel should be a part of the EMA assessment workshop for the previous business year?
    1. Building security
    2. Accountants
    3. Process engineers
    4. Housekeeping
21. Byproducts do not generate any income. State whether true or false.
    1. True
    2. False
22. Which of the following are suitable examples of byproducts?
    1. Auto parts manufactured for clients
    2. Sale of waste heat to municipal heat systems
    3. Sale of scrap
    4. All of the above
23. Byproducts may be generating income, but it may be better to reduce the amount of losses in production. State whether true or false.
    1. True
    2. False
24. Can material losses occur even before the production has started?
    1. Yes
    2. No
25. What kind of material losses occur after the production process is complete?
    1. Defective items
    2. Extra units produced due to change in demand
    3. Rejected raw material
    4. All of the above
26. Material flow can reveal the flow of money throughout the production process. State whether true or false.
    1. True
    2. False
27. Which of the following are costs associated with EMA?
    1. Environmental protection related costs
    2. Energy costs
    3. Waste and emission control costs
    4. All of the above
28. MFCA and EMA should be implemented simultaneously to make production cleaner and leaner. State whether true or false.
    1. True
    2. False
29. Which of the following can help reduce material wastage as well as increase profit margins in a production line?
    1. Proper optimisation
    2. Better communication between sales and procurement departments
    3. Continuous improvement throughout the production line
    4. All of the above
30. Should the management and production teams work together to identify losses occurring at various stages of the production?
    1. Yes
    2. No

For the above questions, we have designed two formats which are as follows:

Type 1: Multiple Choice Questions or MCQs

* The question will have four possible answers to choose from
* There maybe just one, multiple or no correct answers for these questions

**Sample MCQ:**

**Q1:** Tell us which of the following is a benefit of good inventory management?

* Maintain optimum inventory levels (correct)
* Save time and energy (correct)
* Decrease efficiency and productivity (incorrect)
* Improve accuracy of the accuracy of inventory orders (correct)

**Q1:** What is the full form of DOL in manufacturing?

* Double On Time (incorrect)
* Date On Tag (incorrect)
* Direct On Line (correct)
* None of the above (incorrect)

**Sample True or False:**

**Q1:** Two bin system in manufacturing leads to over stocking of raw material. True or false?

* True
* False