**IMPROVEMENT THROUGH INTEGRATION OF KAIZEN**

1. What does MFCA aim to improve?
   1. Material efficiency
   2. Reduction of manpower
   3. Use of renewable energy
   4. All of the above
2. What is Mottainai?
   1. It encourages to increase wastage
   2. It brings a sense of regret about waste
   3. It is a German management method
   4. None of the above
3. MFCA visualizes material loss and environmental impact thus inducing the feeling of Mottainai. State whether true or false.
   1. True
   2. False
4. Mottainai encourages people to respect natural resources and recognize their inherent value. State whether true or false.
   1. True
   2. False
5. What is Furoshiki?
   1. Round shape cloth of no value
   2. Square shaped cloth used to wrap valuable items
   3. Waste cloth
   4. None of the above
6. Mottainai waste are hidden losses that we do not recognise as losses. State whether true or false.
   1. True
   2. False
7. Which of the following are already controlled losses?
   1. Defective machines
   2. Defective raw materials
   3. Defective products
   4. Untrained employees
8. Which of the following are accepted losses?
   1. Sprue and runner loss
   2. Hydraulic fluid loss
   3. Punching scrap
   4. None of the above
9. Which of the following are overlooked losses in manufacturing?
   1. Auxiliary material losses
   2. Changeover loss
   3. Machine downtime
   4. All of the above
10. Unusable stocks are overlooked losses. State whether true or false.
    1. True
    2. False
11. Electrical energy and heat energy losses are overlooked losses. State whether true or false.
    1. True
    2. False
12. Which of the following does MFCA help us focus on?
    1. Use of renewable sources of energy
    2. Reduction in system cost
    3. Reduction in auxiliary material
    4. Reduction of main material
13. MFCA helps in improving the way energy is used on the factory floor. State whether true or false.
    1. True
    2. False
14. Improvements to reduce material wastage should be made across the supply chain and not just the target company. State whether true or false.
    1. True
    2. False
15. Whis of the following is a great way to reduce auxiliary material wastage?
    1. Reduce energy consumption
    2. Reuse and recycle
    3. Always procure extra raw material
    4. None of the above
16. Changeover losses can be reduced by improving the switch-cleaning process. State whether true or false.
    1. True
    2. False
17. Does energy use also contribute to losses categorised by MFCA?
    1. Yes
    2. No
18. Which of the following methods can be used to minimize energy loss?
    1. Insulating heat energy pipes
    2. Using thermostats and circuit breakers
    3. Reusing waste energy
    4. All of the above
19. What is the estimated loss that occurs due to degraded heat insulating materials for piping in the manufacturing industry?
    1. 2%
    2. 29%
    3. 3%
    4. 12%
20. Waste management can be improved by accelerating reuse and recycling of waste. State whether true or false.
    1. True
    2. False
21. Which of the following is a better waste treatment management system?
    1. Central control
    2. Generating place control
22. Companies should start with small and easy KAIZEN activities to get familiar in the beginning. State whether true or false.
    1. True
    2. False
23. Which of these is included in the 4Ms of manufacturing?
    1. Material
    2. Management
    3. Machine
    4. Man
24. Which of the following is NOT a cost associated with manufacturing?
    1. Material cost
    2. Security cost
    3. Energy cost
    4. System cost
25. On-site improvement activities can help improve the overall manufacturing process. State whether true or false.
    1. True
    2. False
26. What does ECRS stand for?
    1. Eliminate, Combine, Resource, Simplify
    2. Energy Combine, Rearrange, Simplify
    3. Eliminate, Combine, Rearrange, Simplify
    4. None of the above
27. MFCA and KAIZEN must be implemented in a manufacturing company in a systematic manner. State whether true or false.
    1. True
    2. False
28. KAIZEN requires management to implement major changes to bring about an instant change in manufacturing process. State whether true or false.
    1. True
    2. False
29. Which of the following is not a major source of loss in a manufacturing unit?
    1. Repetitive stress injury
    2. Main material losses
    3. Losses during changeover
    4. Auxiliary material losses
30. KAIZEN can bring about a big change in the organisation by consistently implementing small changes over time. State whether true or false.
    1. True
    2. False

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