

# Latest Version: 6.0

## Question: 1

$A_a = \text{MTBM} / (\text{MTBM} + \text{MDTM})$  Where MTBM = Mean Time Between Maintenance And  
MDTM = Mean Downtime for Maintenance

- A. Achieved Availability Formula
- B. Inherent Availability Formula
- C. Corrective Maintenance Hours
- D. Achieved Availability

**Answer: A**

## Question: 2

$(\%) = [\text{Preventive Maintenance Cost } (\$) \div \text{Total Maintenance Cost } (\$)] \times 100$

- A. Preventive Maintenance Cost Formula
- B. Corrective Maintenance Hours
- C. Maintenance Training Hours Formula
- D. Mean Time Between Maintenance (MTBM) Formula

**Answer: A**

## Question: 3

= Scheduled Downtime + Unscheduled Downtime

- A. Mean Time to Failure (MTTF)
- B. Down time Formula
- C. Uptime Formula
- D. Total Units Produced

**Answer: B**

## Question: 4

= Total Maintenance Cost  $\div$  Standard Units Produced

- A. INTERNAL MAINTENANCE EMPLOYEES
- B. Maintenance Action
- C. Total Maintenance Cost As a Percent of Replacement Asset Value (RAV) Formula
- D. Maintenance Unit Cost Formula

**Answer: D**

### Question: 5

Replacement Asset Value (RAV) of the assets being maintained at the plant divided by the craft-wage employee headcount

- A. Ratio of Replacement Asset Value (RAV) to Craft-Wage Headcount
- B. Mean Time to Failure (MTTF)
- C. Systems Covered by Criticality Analysis
- D. Maintenance Training Return on Investment (ROI)

**Answer: A**

### Question: 6

$MTTR = \text{Total repair or replacement time (hours)} \div \text{Number of repair/replacement events}$

- A. Mean Time To Repair or Replace (MTTR) Formula
- B. Mean Time Between Failures (MTBF)
- C. Mean Time to Failure (MTTF)
- D. Mean Time Between Maintenance (MTBM) Formula

**Answer: A**

### Question: 7

$\text{Operating time (hours)} \div \text{Number of Failures}$

- A. Condition Based Maintenance Cost Formula
- B. Mean Downtime (MDT) Formula
- C. Mean Time Between Failures (MTBF)
- D. Mean Time Between Failures (MTBF) formula

**Answer: D**

### Question: 8

Systems Covered by Criticality Analysis (%) = [Number of Critical Systems (for which a criticality analysis has been performed) ÷ Total Number of Systems] × 100

- A. Maintenance Training Cost (per employee) Formula
- B. Systems Covered by Criticality Analysis formula
- C. Total Maintenance Cost As a Percent of Replacement Asset Value (RAV)
- D. Condition Based Maintenance Cost

**Answer: B**

### Question: 9

MTBF

- A. Maintenance cost will decrease as reliability increases. (T/F)
- B. The best method of measuring the reliability of an asset is by?
- C. Utilization of assets in a world-class facility should be about 85%. (T/F)
- D. It should be common practice for operators to perform PMs. (T/F)

**Answer: B**

### Question: 10

probability that an item, when used under design conditions in an ideal support environment, will perform satisfactorily. It includes both active repair time and preventive maintenance time, but excludes administrative and logistic delay times

- A. AVAILABILITY
- B. Operational Availability
- C. Point Availability Formula
- D. Achieved Availability

**Answer: D**