

Code No: 58018

Set No. 1

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

IV B.Tech. II Sem., II Mid-Term Examinations, April-2014

MAINTENANCE AND SAFETY ENGINEERING

Objective Exam

Name: _____ Hall Ticket No.

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Answer All Questions. All Questions Carry Equal Marks. Time: 20 Min. Marks: 10.

I. Choose the correct alternative:

1. Any measurable characteristic of a particular product or service is called []
a) Statistics b) Quality c) Control d) Performance
2. The data available about the number of defects per unit is []
a) X – Chart b) C – Chart c) N – Chart d) P – Chart
3. The term “Reliability centered maintenance” first coined by []
a) US air lines b) US armed force c) US navy d) None
4. The RCM process takes place first during the []
a) Equipment design b) Development plan c) Both a & b d) None
5. The bath tub hazard rate curve consist of []
a) Infant mortality region b) Debugging region c) Burn-in-period region d) All of the above
6. F T A stands for []
a) Fault tree analysis b) Failure trace analysis c) Fatigue test analysis d) none
7. The Subjectively based databank for operators is []
a) gathered in the laboratory b) gathered during operation
c) gathered by technique like DELPHI d) None
8. The reason for fault in the increasing hazard rate region or ware-out-period of bath tub curve []
a) Substandard parts are used. b) High – un expected random stress
c) Friction d) None
9. Fish Bone diagram is also known as []
a) W.E.Deming Diagram b) Ishikawa Diagram c) Dr. Shewhart Diagram d) Harold Diagram
10. A machine vibration characteristics are measured to determine its problem or condition is []
a) Predictive Maintenance b) Preventive Maintenance c) Product Maintenance d) None

Cont.....2

II Fill in the Blanks:

11. If prevention maintenance tasks shall be that units _____ the owner ship life cycle cost.
12. Experimentally based data banks of Part failure rate data gathered in the _____
13. FMEA stands for _____
14. _____ is the design parameter intended to minimize repair time.
15. Bath tub hazard rate curve is divided into _____ regions.
16. In _____ Maintenance estimating the parts is near to failure through diagnosing tools and measurements.
17. _____ ensures the quality of products during the manufacturing process itself.
18. The term value in value engineering refers to _____ cost of the product.
19. The _____ databank for operator is gathered during operation.
20. Reliability centered maintenance methodology is applied in _____ Power plant.

Code No: 58018

Set No. 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

IV B.Tech. II Sem., II Mid-Term Examinations, April-2014

MAINTENANCE AND SAFETY ENGINEERING

Objective Exam

Name: _____ Hall Ticket No.

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Answer All Questions. All Questions Carry Equal Marks. Time: 20 Min. Marks: 10.

I. Choose the correct alternative:

1. The RCM process takes place first during the []
a) Equipment design b) Development plan c) Both a & b d) None
2. The bath tub hazard rate curve consist of []
a) Infant mortality region b) Debugging region c) Burn-in-period region d) All of the above
3. F T A stands for []
a) Fault tree analysis b) Failure trace analysis c) Fatigue test analysis d) none
4. The Subjectively based databank for operators is []
a) gathered in the laboratory b) gathered during operation
c) gathered by technique like DELPHI d) None
5. The reason for fault in the increasing hazard rate region or ware-out-period of bath tub curve []
a) Substandard parts are used. b) High – un expected random stress
c) Friction d) None
6. Fish Bone diagram is also known as []
a) W.E.Deming Diagram b) Ishikawa Diagram c) Dr. Shewhart Diagram d) Harold Diagram
7. A machine vibration characteristics are measured to determine its problem or condition is []
a) Predictive Maintenance b) Preventive Maintenance c) Product Maintenance d) None
8. Any measurable characteristic of a particular product or service is called []
a) Statistics b) Quality c) Control d) Performance
9. The data available about the number of defects per unit is []
a) X – Chart b) C – Chart c) N – Chart d) P – Chart
10. The term “Reliability centered maintenance” first coined by []
a) US air lines b) US armed force c) US navy d) None

Cont.....2

II Fill in the Blanks:

11. _____ is the design parameter intended to minimize repair time.
12. Bath tub hazard rate curve is divided into _____ regions.
13. In _____ Maintenance estimating the parts is near to failure through diagnosing tools and measurements.
14. _____ ensures the quality of products during the manufacturing process itself.
15. The term value in value engineering refers to _____ cost of the product.
16. The _____ databank for operator is gathered during operation.
17. Reliability centered maintenance methodology is applied in _____ Power plant.
18. If prevention maintenance tasks shall be that units _____ the owner ship life cycle cost.
19. Experimentally based data banks of Part failure rate data gathered in the _____
20. FMEA stands for _____

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Code No: 58018

Set No. 3

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

IV B.Tech. II Sem., II Mid-Term Examinations, April-2014

MAINTENANCE AND SAFETY ENGINEERING

Objective Exam

Name: _____ Hall Ticket No.

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Answer All Questions. All Questions Carry Equal Marks. Time: 20 Min. Marks: 10.

I. Choose the correct alternative:

1. F T A stands for []
a) Fault tree analysis b) Failure trace analysis c) Fatigue test analysis d) none
2. The Subjectively based databank for operators is []
a) gathered in the laboratory b) gathered during operation
c) gathered by technique like DELPHI d) None
3. The reason for fault in the increasing hazard rate region or ware-out-period of bath tub curve []
a) Substandard parts are used. b) High – un expected random stress
c) Friction d) None
4. Fish Bone diagram is also known as []
a) W.E.Deming Diagram b) Ishikawa Diagram c) Dr. Shewhart Diagram d) Harold Diagram
5. A machine vibration characteristics are measured to determine its problem or condition is []
a) Predictive Maintenance b) Preventive Maintenance c) Product Maintenance d) None
6. Any measurable characteristic of a particular product or service is called []
a) Statistics b) Quality c) Control d) Performance
7. The data available about the number of defects per unit is []
a) X – Chart b) C – Chart c) N – Chart d) P – Chart
8. The term “Reliability centered maintenance” first coined by []
a) US air lines b) US armed force c) US navy d) None
9. The RCM process takes place first during the []
a) Equipment design b) Development plan c) Both a & b d) None
10. The bath tub hazard rate curve consist of []
a) Infant mortality region b) Debugging region c) Burn-in-period region d) All of the above

Cont.....2

II Fill in the Blanks:

11. In _____ Maintenance estimating the parts is near to failure through diagnosing tools and measurements.
12. _____ ensures the quality of products during the manufacturing process itself.
13. The term value in value engineering refers to _____ cost of the product.
14. The _____ databank for operator is gathered during operation.
15. Reliability centered maintenance methodology is applied in _____ Power plant.
16. If prevention maintenance tasks shall be that units _____ the owner ship life cycle cost.
17. Experimentally based data banks of Part failure rate data gathered in the _____
18. FMEA stands for _____
19. _____ is the design parameter intended to minimize repair time.
20. Bath tub hazard rate curve is divided into _____ regions.

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Code No: 58018

Set No. 4

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

IV B.Tech. II Sem., II Mid-Term Examinations, April-2014

MAINTENANCE AND SAFETY ENGINEERING

Objective Exam

Name: _____ Hall Ticket No.

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Answer All Questions. All Questions Carry Equal Marks. Time: 20 Min. Marks: 10.

I. Choose the correct alternative:

1. The reason for fault in the increasing hazard rate region or wear-out-period of bath tub curve []
a) Substandard parts are used. b) High – unexpected random stress
c) Friction d) None
2. Fish Bone diagram is also known as []
a) W.E.Deming Diagram b) Ishikawa Diagram c) Dr. Shewhart Diagram d) Harold Diagram
3. A machine vibration characteristics are measured to determine its problem or condition is []
a) Predictive Maintenance b) Preventive Maintenance c) Product Maintenance d) None
4. Any measurable characteristic of a particular product or service is called []
a) Statistics b) Quality c) Control d) Performance
5. The data available about the number of defects per unit is []
a) X – Chart b) C – Chart c) N – Chart d) P – Chart
6. The term “Reliability centered maintenance” first coined by []
a) US air lines b) US armed force c) US navy d) None
7. The RCM process takes place first during the []
a) Equipment design b) Development plan c) Both a & b d) None
8. The bath tub hazard rate curve consist of []
a) Infant mortality region b) Debugging region c) Burn-in-period region d) All of the above
9. F T A stands for []
a) Fault tree analysis b) Failure trace analysis c) Fatigue test analysis d) none
10. The Subjectively based databank for operators is []
a) gathered in the laboratory b) gathered during operation
c) gathered by technique like DELPHI d) None

Cont.....2

II Fill in the Blanks:

11. The term value in value engineering refers to _____ cost of the product.
12. The _____ databank for operator is gathered during operation.
13. Reliability centered maintenance methodology is applied in _____ Power plant.
14. If prevention maintenance tasks shall be that units _____ the owner ship life cycle cost.
15. Experimentally based data banks of Part failure rate data gathered in the _____
16. FMEA stands for _____
17. _____ is the design parameter intended to minimize repair time.
18. Bath tub hazard rate curve is divided into _____ regions.
19. In _____ Maintenance estimating the parts is near to failure through diagnosing tools and measurements.
20. _____ ensures the quality of products during the manufacturing process itself.

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