Unit 12 - Week 10

Assignment 10

The due date for submitting this assignment has passed. Due on 2019-04-10, 23:59 IST.
As per our records you have not submitted this assignment.

1) Which is a rotating part in an electric motor?
   a. Armature
   b. Field winding
   c. Both a. and b.
   d. None of these

No, the answer is incorrect.
Score: 0
Accepted Answers:
(a)

2) Which of these is a fault due to changing of position of minimum air gap between rotor and stator?
   a. Static eccentricity
   b. Dynamic eccentricity
   c. Crack in rotor bar
   d. None of these

No, the answer is incorrect.
Score: 0
Accepted Answers:
(b)
4) Which among these is not a vibration based monitoring technique?
   a. Machine signature analysis
   b. Time domain analysis
   c. Motor current signature analysis
   d. None of these
   
   No, the answer is incorrect.
   Score: 0
   Accepted Answers: 
   (b)
7) Radiography is used to detect internal defects like crack
   a. True
   b. False

   (a)  
   (b)  

   No, the answer is incorrect.
   Score: 0

Accepted Answers:
   (a)  
   (b)  

8) Infrared cameras can be used for
   a. Leakage detection in pipelines
   b. Cracks at building joints
   c. Heat generation in electrical components
   d. All of the above

   (a)  
   (b)  
   (c)  
   (d)  

   No, the answer is incorrect.
   Score: 0

Accepted Answers:
   (a)  
   (b)  
   (c)  
   (d)  

9) When sizes of wear debris particles are less than 2 microns, which is a suitable technique?
   a. Spectroscopy
   b. Ferrography
   c. Particle count
   d. None of these

   (a)  
   (b)  
   (c)  
   (d)  

   No, the answer is incorrect.
   Score: 0

Accepted Answers:
   (a)  
   (b)  
   (c)  
   (d)  

10) The type of wear occurring when two material of different hardness rub against each other:
   a. Adhesive wear
   b. Abrasive wear
   c. Corrosion
   d. None of these

   (a)  
   (b)  
   (c)
11) Energy of emitted radiation from a body increases with

a. Increase in temperature
b. Decrease in temperature
c. No relation with temperature
d. None of these

No, the answer is incorrect.
Score: 0
Accepted Answers:
(b)

12) Dynamic eccentricity may be caused by which of the following

a. Bent rotor shaft
b. Misalignment
c. Mechanical resonance at critical speed
d. All of the above

No, the answer is incorrect.
Score: 0
Accepted Answers:
(a)

13) Static eccentricity is not caused by

a. Ovality of stator core
b. Incorrect positioning of the rotor or stator
c. Bent rotor shaft
d. None of these

No, the answer is incorrect.
Score: 0
Accepted Answers:
(c)
The wavelengths of infrared wave lie between

a. \(10^2 \mu m\) to \(0.4 \mu m\)
b. \(0.4 \mu m\) to \(0.7 \mu m\)
c. \(0.7 \mu m\) to \(10^3 \mu m\)
d. None of these

No, the answer is incorrect.
Score: 0
Accepted Answers:
(c)

15. Which is contact type temperature measurement device?

a. Thermocouple
b. Optical pyrometer
c. Both a. and b.
d. None of these

No, the answer is incorrect.
Score: 0
Accepted Answers:
(a)