Assignment 12

The due date for submitting this assignment has passed. Due on 2019-04-24, 23:59 IST.

As per our records you have not submitted this assignment.

1) Which is a fracture surface characteristic for a ductile material?
   - Grain boundary cracking
   - Cup and cone
   - Beach marks
   - None of these

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

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

2) Which can be an installation defect?
   - Cracks
   - Grain growth
   - Misalignment
   - Cannot be determined

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

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

3) Which among are the important properties for material selection?
   - Yield strength
   - Modulus of elasticity

(a)  (b)
4) Failure due to excessive deformation is preferably controlled by ____________.  
   a. Dimensions  
   b. Material properties  
   c. Both a. and b.  
   d. None of these  
   No, the answer is incorrect.  
   Score: 0  
   Accepted Answers: 
   (d)  

5) Brittle fracture is more dangerous than ductile fracture because of ____________.  
   a. Crack propagation at faster rate  
   b. No warning sign  
   c. Both a. and b.  
   d. None of these  
   No, the answer is incorrect.  
   Score: 0  
   Accepted Answers: 
   (c)  

6) Which of these represent the information about failure?  
   a. Time of failure  
   b. Extent of damage, sequence of failure and injuries  
   c. Stage of operation when failure occurred  
   d. All of the above  
   No, the answer is incorrect.  
   Score: 0  
   Accepted Answers: 
   (d)
SPL (Sound pressure level) measurement in railway locomotive depends upon
   a. Condition of the tracks
   b. Transmission path
   c. Both a. and b.
   d. None of these

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

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

8) In a paper mill, the increase of linear paper output speed
   a. Increases the roll RPM
   b. Increases the load on the bearings
   c. Increases the load on the structure
   d. All of the above

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

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

9) While measuring sound and vibration on railway locomotives, in-situ calibration is done for measuring instruments.
   a. True
   b. False

   (a)  
   (b)  

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

10) In a paper mill, the rolls may fail due to resonance, if speed of rolls is increased.
   a. True
   b. False

   (a)  
   (b)  

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

11)
12. Multiple rolls are used to dry the wet paper in a paper mill.
   a. True
   b. False
   
   (b)

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

12. Which device can be used for measuring vibration in railway locomotive?
   a. Microphone
   b. Accelerometer
   c. Encoder
   d. None of these
   
   (a)

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

13. Fatigue fracture gives beach marks on the material.
   a. True
   b. False
   
   (a)

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

14. Ultrasonic laser based-meter is useful in measuring long distances or heights.
   a. True
   b. False
   
   (b)

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

15. Laser beam is used to measure paper thickness in a paper mill as a quality check for uniform thickness of paper.
   a. True
   b. False
No, the answer is incorrect.
Score: 0
Accepted Answers:
(a)