Assignment 3

The due date for submitting this assignment has passed.

Due on: 2021-02-10, 20:59 IST.

As per our records, you have not submitted this assignment.

1) For “revering design”
   a) Redundancy must be there
      - Reason: Redundancy may not be there
   b) Redundancy may or may not be there
      - None of the above
      No, the answer is incorrect.
      Score: 0
      Accepted Answers:
      - There should be no redundancy

2) For bell bearing, if C is constant and F is equivalent dynamic load, bearing life is given by
   a) $L = \frac{C}{\sqrt{F}}$
   b) $L = \frac{C}{\sqrt{F} \times 10^5}$
   c) $L = \frac{C}{\sqrt{F} \times 10^6}$
   d) $L = \frac{C}{\sqrt{F} \times 10^3}$
   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   - $L = \frac{C}{\sqrt{F} \times 10^6}$

3) The following valve symbol depicts
   a) Flow path
   b) Initial connection
   c) Flow shut-off
   d) None of the above
   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   - Flow shut-off

4) What is the meaning of numbers in “3/2 way valve” representation?
   a) Three positions and two ports
   b) Three ports and two positions
   c) Can be any
   d) None of the above
   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   - Three ports and two positions

5) The torque developed by the motor when stationary with the full applied voltage is called
   a) Stator
   b) Rotor
   c) Torque speed curve
   d) Not mentioned
   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   - Torque speed curve

6) Magnetic field strength of a conductor can be increased by
   a) Increasing the current
   b) Removing iron from the field
   c) Decreasing the number of turns
   d) Decreasing the current
   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   - Increasing the current

7) Which type of stepper motors have low cost and low-resolution motor?
   a) Permanent magnet stepper motor
   b) Variable reluctance stepper motor
   c) Hybrid stepper motor
   d) Direct current motor
   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   - Variable reluctance stepper motor

8) A stepper motor has a step angle of 6°. If an input of 500 pulses per second is sent, then the motor shaft will rotate at
   a) 90° revolution/s
   b) 60° revolution/s
   c) 36° revolution/s
   d) None of the above
   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   - 90° revolution/s

9) Which of the following is a component of the magnetic recording?
   a) Recording head
   b) boş head
   c) Transport system
   d) All (A), (B), and (C)
   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   - All (A), (B), and (C)

10) A digital recorder
    a) Records digital data
    b) Records analog data
    c) Does not record data
    d) Records both analog and digital data
    No, the answer is incorrect.
    Score: 0
    Accepted Answers:
    - Records digital data