Assignment 9

Due on 2020-11-18, 22:09 IST

The due date for submitting this assignment is past. As per our records you have not submitted this assignment.

1. The hydraulic systems work on the basis of ____________
   - Torricelli's Law
   - Pascal's Law
   - Bernoulli's Law
   - Paozer's Law
   - No, the answer is incorrect. Score: 0
   Accepted Answers:
   - B. Pascal's Law

2. The measure of the force amplification achieved by using a tool, mechanical device or machine system is called ____________
   - A. Viscous advantage
   - B. Kinetic advantage
   - C. System advantage
   - D. Fractual advantage
   - No, the answer is incorrect. Score: 0
   Accepted Answers:
   - A. Viscous advantage

3. In hydraulics, the product of pressure and volume flow rate provides the ________ of the system.
   - A. Momentum
   - B. Power
   - C. Impellance
   - D. None of these
   - No, the answer is incorrect. Score: 0
   Accepted Answers:
   - B. Power

4. The centrifugal pump is an example of ____________
   - A. Piston Pump
   - B. Hydrostatic Pump
   - C. Hydrodynamic Pump
   - D. Positive displacement pumps
   - No, the answer is incorrect. Score: 0
   Accepted Answers:
   - B. Hydrostatic Pump

5. Which one of the following would be best suited to convey chemicals, tomatoes or fruit pulps in an automated food processing industry?  1 point
   - A. Axial piston Pump
   - B. Radial piston Pump
   - C. Lohe Pump
   - D. Vane Pump
   - No, the answer is incorrect. Score: 0
   Accepted Answers:
   - A. Axial Piston Pump

6. Match the CORRECT pairs.

<table>
<thead>
<tr>
<th>Pump</th>
<th>Construction feature</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Vane pump</td>
<td>1. Centrifugal</td>
</tr>
<tr>
<td>B. Gerotor pump</td>
<td>2. Radial delta</td>
</tr>
<tr>
<td>C. Internal gear pump</td>
<td>3. Inequal number of teeth on internal rotor gear and external idler gear</td>
</tr>
</tbody>
</table>

   - A. B. C. D
   - A. B. C. D
   - A. B. C. D
   - A. B. C. D
   - No, the answer is incorrect. Score: 0
   Accepted Answers:
   - A. B. C. D

7. The flow rate of the Svchen plate type axial piston pump increases when the Svchen angle ____________
   - A. Increases
   - B. Decreases
   - C. Remains the same
   - D. Doesn't have any effect of Svchen plate angle
   - No, the answer is incorrect. Score: 0
   Accepted Answers:
   - A. Increases

8. In hydraulic systems, the process of rapid creation and subsequent collapse of air bubbles in the fluid is called ____________
   - A. Abation
   - B. Cavitation
   - C. Pinning
   - D. Inflation
   - No, the answer is incorrect. Score: 0
   Accepted Answers:
   - B. Cavitation

9. Which one of the following pumps offers self-priming performance?  1 point
   - A. Centrifugal pump
   - B. Hydrostatic pump
   - C. Seal pump
   - D. Vane pump
   - No, the answer is incorrect. Score: 0
   Accepted Answers:
   - A. Centrifugal pump

10. As the 'pump lift' increases, the efficiency of a hydraulic pump ____________
    - A. Increases
    - B. Decreases
    - C. Doesn't have any effect
    - No, the answer is incorrect. Score: 0
    Accepted Answers:
    - A. Increases