Assignment 00

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

Due on 2018-07-08, 17:00 IST.

Try to answer all these questions of assignment w00a00. This is an introductory assignment. Your performance in this assignment will not be added in your final evaluation of grade.

1) “A change in pressure at any point in an enclosed fluid at rest is transmitted undiminished to all points in the fluid” this principle is popularly named after

- Delton
- Pascal
- Boyle
- Langmuir

No, the answer is incorrect.
Score: 0
Accepted Answers: Pascal

2) For positive displacement pumps, with change in pressure the flow rate

- Increases
- Decreases
- Remains Constant
- None

No, the answer is incorrect.
Score: 0
Accepted Answers: Remains Constant

3) Which of the following are the examples of impulse turbine?

- None

- None
No, the answer is incorrect.
Score: 0
Accepted Answers:
Pelton wheel
Turgo turbine

4) Reaction turbine has more hydraulic efficiency than impulse turbine
   
   - true
   - false

No, the answer is incorrect.
Score: 0
Accepted Answers:
false

5) In a turbomachine, the work is done either on the fluid or by the fluid.
   
   - True
   - False

No, the answer is incorrect.
Score: 0
Accepted Answers:
True

6) Which of the following is not a part of hydraulic pump?
   
   - Impeller
   - Runner
   - Diffuser
   - Nozzle

No, the answer is incorrect.
Score: 0
Accepted Answers:
Runner
Nozzle

7) The human heart mimics the operation procedure of a
   
   - Centrifugal pump
   - Rotodynamic pump
   - Positive displacement pump
   - Jet pump

No, the answer is incorrect.
Score: 0
Accepted Answers:
Positive displacement pump

8) Which of the following is the differential form of Classical Bernoulli's equation?
   
   - Navier-Stokes equations
   - Euler equation
   - Stokes equation
   - none of the above
9) In a converging pipe section with an inlet diameter of 0.5m and outlet diameter of 0.3m, water enters with a velocity 5m/s. What will be the pressure difference between inlet and outlet of that pipe section in kPa?

No, the answer is incorrect.
Score: 0
Accepted Answers:
Euler equation

Hint

No, the answer is incorrect.
Score: 0
Accepted Answers:
(Type: Range) 83.82-84.11

10) A hydraulic pump produces 50kJ/m³ kinetic energy per unit volume. Calculate amount of net head produced by it in meters?

No, the answer is incorrect.
Score: 0
Accepted Answers:
(Type: Range) 5.09-5.11

Hint

11) Based on principle of operation, fluid machines are classified into positive displacement machines and turbo machines.

True
False

No, the answer is incorrect.
Score: 0
Accepted Answers:
True

You were allowed to submit this assignment only once.