



9497498415 | 16 | 17

ANSWER KEY

QUIZ NO: 733 TOPIC: FLUID MECHANICS DATE: 04/07/2023

- 1. When a body is fully immersed in water, the point through which the resultant pressure acts is known as:
 - [A] Total pressure
 - [B] Gauge pressure
 - [C] Centre of pressure
 - [D] Absolute pressure

Answer: C

- 2. A floating body is said to be in stable equilibrium
 - [A] When the metacentric height is zero
 - [B] When the metacenter is above the CG
 - [C] When the metacenter is below the CG
 - [D] Only when its CH is below center of buoyancy

Answer: B





9497498415|16|17

ANSWER KEY

- 3. A piezometer is the simplest form of manometers used for measuring:
 - [A] Moderate pressure of liquids
 - [B] Vacuum pressure
 - [C] High pressure of liquids
 - [D] Gauge pressure

Answer: A

- 4. The law states that pressure applied at any point in a liquid at rest is transmitted equally in all directions:
 - [A] Pascal's Law
 - [B] Ohm's Law
 - [C] Boyle's law
 - [D] Charle's law

Answer: A

5. The difference in pressure between two points is measured by:

- [A] Differential manometer
- [B] Barometer
- [C] Piezometer
- [D] Venturimeter

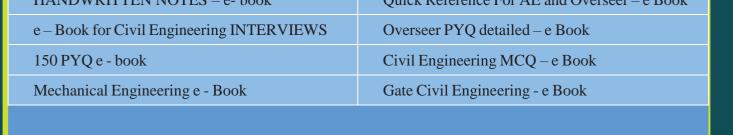
Answer: A

To PURCHASE Our COURSES

LIVE CLASSES	DIRECT CLASSES
Assistant Engineer Standard 2023	Assistant Engineer - Civil
Rank Booster Course	Overseer Sub Engineer
Assistant Engineer Courses	Overseer Courses
Assistant Professor	Overseer Grade I - Economical
Polytechnic Lecturer - Civil	Junior Instructor Surveyor
Assistant Engineer/ Overseer Grade I	Irrigation LSGD Overseer

GATE 2024 Civil Prerecorded

TEST SERIES (With detailed solution)		
Online Test Series Combo	AE PCB Test series	
AE Test Series	SSC JE Subject wise	
OVERSEER Test Series	GATE 2024 - Test Series	
ISRO Test Series	Full length tests – GATE	
SSC JE CIVIL Test Series	Topicwise tests for GATE	
SSC JE Full Length Tests	Subjectwise Test series – GATE	
e - BOOKS		
HANDWRITTEN NOTES – e- book	Quick Reference For AE and Overseer – e Book	
e – Book for Civil Engineering INTERVIEWS	Overseer PYQ detailed – e Book	







- 6. If the dynamic viscosity of fluid is 0.5 poise and specific gravity is 0.5, then kinematic viscosity of that fluid in stokes is:
 - [A] 0.25
 - [B] 0.5
 - [C] 1.0
 - [D] None of these

Answer: C

7. Select the correct statement:

- [A] Absolute pressure = Gauge pressure Atmospheric pressure
- [B] Gauge pressure = Absolute presssure Atmospheric pressure
- [C] Absolute pressure = Atmospheric pressure + vacuum pressure
- [D] Gauge pressure = Atmospheric pressure + vacuum pressure

Answer: B

8. Vacuum or negative pressure at a flow section is:

- [A] Pressure measured always below atmospheric pressure
- [B] Pressure measured by a Bourdon gauge
- [C] Pressure indicated by a vacuum gauge
- [D] Always the pressure indicated by a differential manometer

Answer: A



9. The pressure in meters of oil (G= 0.8), equivalent to 80 m of water is:

- [A] 64
- [B] 80
- [C] 100
- [D] 88

Answer: C

- 10.Find the pressure represented by a column of 10 cm of water if specific weight of water is taken as 10 KN/m³:
 - [A] 1 KN/m²
 - [B] 1000 KN/m²
 - $[C] 1 N/m^2$
 - $[D] 100 \text{ KN/m}^2$

Answer: A

