ODM EDUCATIONAL GROUP
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MATTER

CHAPTER NO.2

SUB: PHYSICS

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LEARNING OUTCOMES

- Students will be able to

Students will be able to

Understand the concept of floating and sinking

Explain the principle of floatation.

Apply this principle of floatation in making sub marine.

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POINTS TO BE COVERED

Floating and sinking, Principle of floatation, application of floatation.

Numerical problems on density

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INTRODUCTION

- Define relative density.
- What is the SI unit of relative density?

Solve

1. A piece of iron of volume 30 cm3 has a mass of 234 g ,Find the density of iron.
2. The mass of 10 cm 3 of silver is 103 g. Find the density of silver in kgm-3, Relative density of silver.

Solve

- A block of silver displaces 200 mL of water in a measuring cylinder. If the density of silver is 10300 kg m^{-3}, find the mass of the block.
- A block of glass is 30 cm long, 25 cm wide, and has a thickness of 2 cm. Find i2ts density if its mass is 7.5 kg.

THANKING YOU

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