



PHYSICS

BOOKS - MAXIMUM PUBLICATION

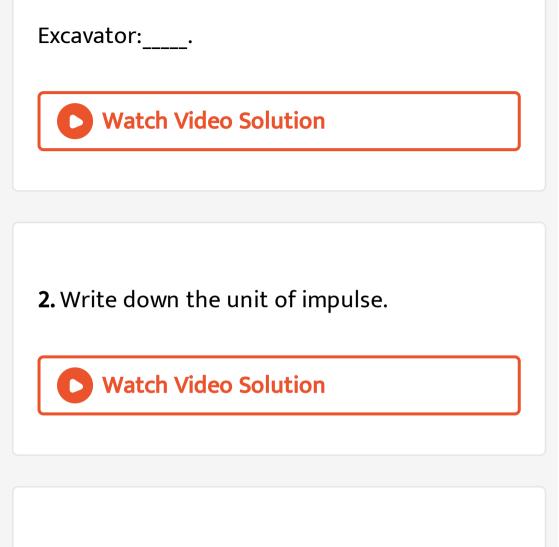
MODEL PAPER 1



1. Identify the relation between the first pair

and complete the second.

Hydrometer:Law of floatation.



3. If the distance between two bodies that attract each other is doubled, how many times more will be their. mutual force of attraction?



- 4. A stone and a sheet of paper are dropped.together. Which of the following statements regarding their tall is true?
- Both of them reach simultaneously
- The paper reaches first
- The stone reaches first



5. Write down an activity to prove inertia of

rest.

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6. A car starts from rest and covers 25m in 5s.

Calculäte the acceleration of the car.

7. What are the two factors that influence buoyancy.
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8. Find out the reasons for the following.

A ship floats on water.



9. Give reasons

A piece of chalk is used to blot ink.

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10. Find out the reasons for the following. When a body was placed in a liquid it remained in the same position.

11. Find out the displacement between 10 s

and 20 s from the graph.

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12. Give three differences between mass and weight.

13. State universal law of gravitation. Derive the formula for finding gravitational force of attraction.



14. Rockets are used to launch artificial satellites.

State the law of motion related to the rocket

launching



15. Rockets are used to launch artificial satellites.

Write down the life situations related to this

law.

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16. Rockets are used to launch artificial satellites.

Write down a class room activity to illustrate this law.



17. If the velocity of a train starting from rest

becomes 72 km/h in 400 s,

What is its acceleration?

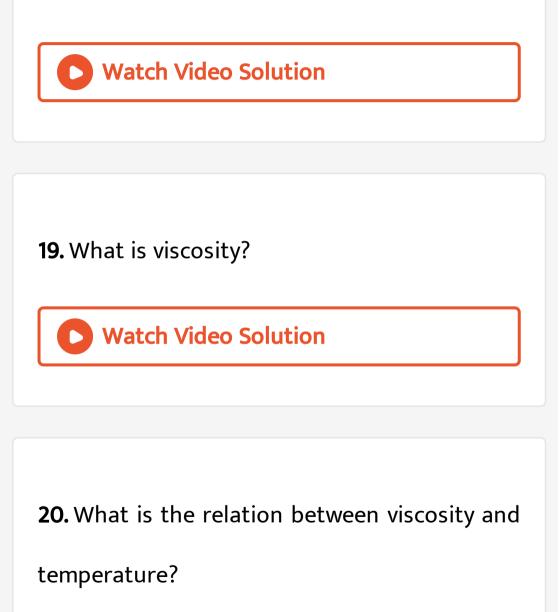


18. If the velocity of a train starting from rest

becomes 72 km/h in 400 s,

Calculate the distance travelled by the train

within this time interval.



21. Why is it said that the body of a person who gets an electric shock should be massaged well?