



PHYSICS

BOOKS - MAXIMUM PUBLICATION

MODEL PAPER 2

Example

1. Identify the relation between first pair and complete the second

Honey : Viscous liquid

Kerosene : _____



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2. Find out the odd one...(a)Hydraulic press

(b)Hydrometer (c)Hydraulic jack (d)Excavator

A. Hydraulic press

B. Hydrometer

C. Hydraulic jack

D. Excavator

Answer: B



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3. Value of 'g' at the centre of the earth is



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4. A body of weight $800N$ sinks in a liquid. The weight of the liquid displaced is $200N$

What will be the weight of the body in liquid?



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5. A body of weight $800N$ sinks in a liquid. The weight of the liquid displaced is $200N$

What is the buoyant force?



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6. While on a gaint wheel ride, a person experiences loss of weight on the descent.

Why?





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7. A car and a lorry are travelling at the same velocity. Which has greater momentum? Why?



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8. If the relative density of a liquid is 1

Which is the liquid?



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9. If the relative density of a liquid is 1,

What do you mean by relative density?



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10. If the relative density of a liquid is 1,

Which is the instrument used for finding relative density.



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11. Give reasons

When a bullet is fired from a gun, the gun recoils.



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12. Give reasons

When a bus at rest suddenly moves forward, the passengers, standing in the bus fall backward



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13. Give reason

We slip on a mossy surface.



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14. Among 'mass' and weight which one is a vector quantity?



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15. Mass of a body is 50 kg. What is its weight on earth ($g = 10m / s^2$)



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16. The mass of a body is 30kg. What is its weight on the moon? ($g = 1.62m / s^2$)



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17. A car moving with a speed of 72 km/h comes to rest after 4s on applying brake. If the mass of the car including the passengers is 1000kg. What will be the force applied when brake is applied?



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18. What is capillarity?



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19. Which force is behind capillary rise?



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20. Why is the land ploughed before the beginning of summer? Does it have any relation to the capillary rise?



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