



PHYSICS

BOOKS - VGS PUBLICATION-BRILLIANT

PHYSICAL SCIENCE :PAPER -1

Part A

1. A train of length 50 m is moving with a constant speed of 10m/s. Calculate the time

taken by the train to cross an electric pole and a bridge of length 250 m. (5s, 30s).



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Part B

1. A solid sphere has a radius of 2 cm and a mass of 0.05 kg. What is the relative density of the sphere ?

A. 1.39

B. 1.39 kg/m^3

C. 1.49

D. 1.46 kg/m^3

Answer:



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2. A boy pushes a book kept on a table by applying a force of 4.5 N. Find the work done by the force if the book is displaced through 30 cm along the direction of push.

A. $1.5J$

B. $1.35J$

C. $1.53J$

D. $1.3J$

Answer:



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3. When we say sound travels in a medium

A. The medium travels

B. The particles of the medium travel

C. The sound travels

D. The disturbance travels

Answer:



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4. If the equation of motion of an object is $v^2 =$

$2as$, the initial velocity is

A. Zero

B. Infinity

C. 10 m/s

D. We can't say

Answer:



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