

#Jenny



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Cool! I'am really happy

#Markus Jensen



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My friends are so mad that they do not know how I have all the high quality ebook which they do not!

#Diego Butler



so many fake sites. this is the first one which worked! Many thanks

AglaSem Admiss

PART A – PHYSICS

ALL THE GRAPHS/DIAGRAMS GIVEN ARE SCHEMATIC AND NOT DRAWN TO SCALE.

1. It is found that a neutron is placed on the surface of the liquid, the fraction of its kinetic energy which is lost in the collision is $\frac{1}{2}$. The mass of the nucleus at rest is P_1 . The mass of the neutron is m . The mass of the nucleus after collision is P_2 . The mass of the neutron after collision is m' . The mass of the nucleus before collision is M . The mass of the nucleus after collision is M' . The mass of the neutron before collision is m . The mass of the neutron after collision is m' .

2. The mass of a hydrogen molecule is 3.32×10^{-27} kg. If 10^{23} hydrogen molecules strike, per second, a fixed wall of area 2 cm^2 at an angle of 45° to the normal, and rebound elastically with a speed of 10^3 m/s , then the pressure on the wall is \dots

3. A solid sphere of radius r made of a soft material of bulk modulus K is surrounded by a liquid in a cylindrical container. A massless piston of area a floats on the surface of the liquid, covering entire cross-section of the liquid container. When a force F is applied to the piston, the surface of the sphere is displaced by a distance x . The fraction of the force F which is used to compress the liquid, is \dots

4. Two batteries with e.m.f. 12 V and 13 V are connected in parallel across a load resistor of 10Ω . The internal resistances of the two batteries are 1Ω and 2Ω .

JEE Main 2018
Question
Paper - Set B

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$k = \frac{mg}{\frac{3}{2}mg}$
 $k = \frac{2}{3}$

$k = \frac{mg \times \frac{3}{2}}{mg}$
 $k = \frac{3}{2}$

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