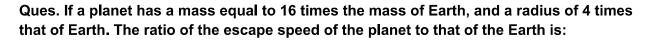


JEE Main 2024 Daily Practice Problems (DPP) and Questions

Physics



- 1.2:1
- 2, 1:2
- **3.** √**2**:1
- 4.4:1

Ques. Suppose a situation in which two planet orbits around the sun in the same orbit. If the mass of planet 1 is twice the mass of planet 2, then what do they have the same?

- 1. Potential energy
- 2. Kinetic energy
- 3. Total energy
- 4. Velocity

Ques. The length of a conductor having resistance 160Ω is compressed to 25% of its initial value. The new resistance will be:

- 1. 10Ω
- 2. 20Ω
- 3. 15Ω
- 4. 17Ω



Chemistry

1. NO⁺

2. NO

3. O₂⁺

4 O₂

Ques. A gas with MW= 42 AMU will have the same RMS velocity (at 27°C) as that of Vmps of which gas at 27°C

1. CO₂

2. co College Dekhol

3. N₂O

4. NO₂

Ques. A 12.5 eV electron beam is used to bombard gaseous hydrogen at room temperature. Calculate the total number of spectral lines when electrons return to the ground state.

1.3

2. 2

3.4

4. 1

Mathematics



Ques. If a plane 4x-3y+z=2 is rotated by an angle of $\pi/2$ at the intersection point of another plane 3x+11z-4y+12 then P(2,3,4) is at what distance from the resultant plane?

Ques. Three numbers a, b, c are in A.p. and they are used to make a 9-digit number using each digit thrice, such that at least 3 consecutive digits are in A.P. Then number of such numbers is.

Ques. Number of 7 digit odd numbers formed using 7 digits 1, 2, 2, 2, 3, 3, 5 will be:

- 1.80
- 2.420
- 3.240
- 4.140

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