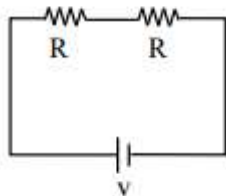
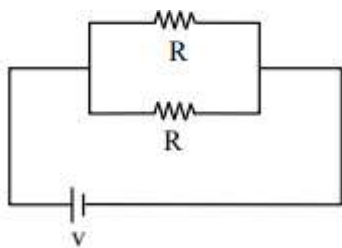


JEE Main 2024 Daily Practice Questions

Physics:

Ques. Find the ratio of heat loss.



1. 1:4

2. 4:1

3. 2:1

4. 1:1

Ques. A projectile is projected at an angle of 30° from the horizontal, the height of the projectile is the same at $t = 3$ sec and $t = 5$ sec. Find the initial speed of the projectile.

1. 80 m/s

2. 100 m/s

3. 120 m/s

4. 140 m/s

Ques. A person is firing 'n' bullets per second, the speed of each bullet is 250 m/s. The thrust force experienced by the person is 125 N, and the mass of each bullet is 10 grams. Find n.

1. 50

2. 60

3. 70

4. 120

Chemistry:

Ques. 250g solution containing 25% sugar and 500 g solution containing 40% sugar are mixed. Find the mass percentage of sugar in the resulting solution.

Ques. Correct order of first ionization energy for second-period elements: Li, Be, B, C, N, O, F

Ques. In a contained at a constant temperature arrange the following gases in increasing order of RMS Velocity.- Ne, Cl_2 , UF_6

1. $UF_6 < Cl_2 < Ne$

2. $UF_6 < Ne < Cl_2$

3. $UF_6 > Cl_2 > Ne$

4. $\text{Ne} < \text{UF}_6 < \text{Cl}_2$

Mathematics:

Ques. Let $f(x) = [x^2 - x] + |-x + [x]|$ is

1. Continuous at $x = 0$
2. Continuous at $x = 1$
3. Differentiable at $x = 0$
4. None of these

Ques. 5 boys with allotted roll Numbers and seat numbers are seated in such a way that no one sits on the allotted seat. Find the number of such seating arrangements.

1. 18
2. 9
3. 45
4. 44

Ques. The number of rational terms in $(3^{1/2} + 5^{1/2})^{680}$ is:

1. 171
2. 181
3. 191
4. 151