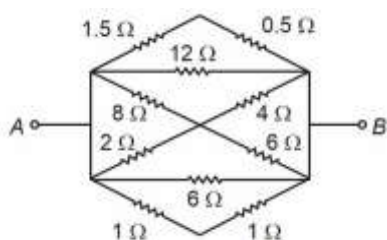


JEE Main 2024 Daily Practice Questions

Physics:

Ques. In the given circuit the resistance between terminals A and B is equal to:



1. 2Ω

2. $3/2\Omega$

3. $2/3\Omega$

4. 6Ω

Ques. A car travels a 4 km distance with a speed of 3 km/h and the next 4 km with a speed of 5 km/h. Find the average speed of the car.

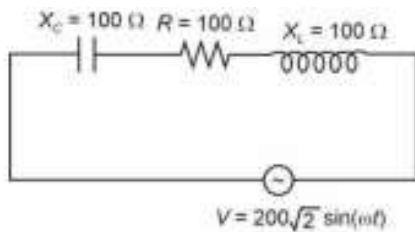
1. $15/2$ km/h

2. $15/4$ km/h

3. 15 km/h

4. 10 km/h

Ques. In the AC circuit shown in the figure the value of I_{ms} is equal to:



1. 2A
2. $2\sqrt{2}A$
3. 4A
4. $\sqrt{2}A$

Chemistry:

Ques. Maximum number of e^- in $n=4$ shell:

1. 72
2. 50
3. 16
4. 32

Ques. BOD value of a water sample is 3 ppm. Select the correct option about the given sample of water.

1. It is highly polluted water
2. It is clean water
3. The concentration of oxygen in the given sample is much less
4. None of these

Ques. Which of the following chlorides is more soluble in organic solvent?

1. Be
2. K
3. Ca
4. Mg

Mathematics:

Ques. Common tangent is drawn to $y^2 = 16x$ and $x^2 + y^2 = 8$. Find the square of the distance between the point of contact of the common tangent on both curves.

1. 78
2. 72
3. 42
4. 76

Ques. A bag contains 3 same balls and 3 different balls of three different colors. Two balls are drawn randomly with replacement. The probability they have the same color is m . Again four balls are drawn one by one with replacement, then the probability of getting three same balls is n . The value of m, n is:

1. $3/49$
2. $6/49$
3. $43/147$
4. $8/81$

Ques. Using 1, 2, 2, 2, 3, 3, 5 find number of 7 digit odd numbers that can be formed.

