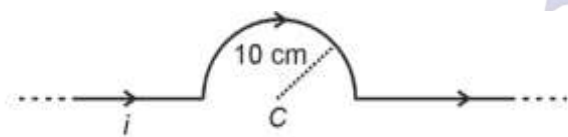


JEE Main 2024 Daily Practice Questions

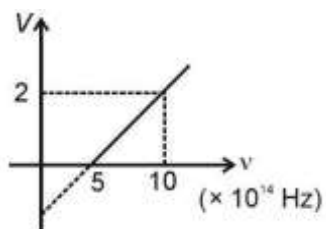
Physics:

Ques. An infinity-long conductor has a current of 14 A flowing as shown:



Find the magnetic field at centre C.

Ques. Based on the given graph between stopping potential and frequency of irradiation, the work function of the metal is equal to:



1. 1eV
2. 3eV
3. 2eV
4. 4eV

Ques. Wire A and B have their Young's moduli in the ratio of 1:3, area of the cross-section in the ratio of 1:2, and lengths in the ratio of 3:4. If the same force is applied on the two wires to elongate then the ratio of elongation is equal to:

1. 8:1
2. 1:12
3. 1:8
4. 9:2

Chemistry:

Ques. The delicate balance of CO_2 and O_2 is not distributed by:

1. Deforestation
2. Photosynthesis
3. Burning of coal
4. Burning of petroleum

Ques. The increasing order of metallic characters:

1. $\text{Be} > \text{Ca} > \text{K}$
2. $\text{K} < \text{Ca} < \text{Be}$
3. $\text{Ca} > \text{K} > \text{Be}$
4. $\text{K} > \text{Be} > \text{Ca}$

Ques. The water of crystallization in Soda ash and washing soda is respectively.

1. 0, 10

2. 10, 0

3. 0, 0

4. 0, 1

Mathematics:

Consider $f(x) = \sec^{-1}\left(\frac{2x}{5x+3}\right)$, domain of $f(x)$ is $[\alpha, \beta) \cup [\gamma, \delta]$, then the value of $|3\alpha + 10\beta + 5\gamma + 21\delta|$ is

Ques.

1. 22

2. 23

3. 21

4. 19

Ques. 8 persons have to travel from A to B in 3 allotted cars. If a car can carry a maximum of 3 persons. Then find the number of ways they can travel.

1. 1880

2. 1800

3. 1680

4. 1600

Ques. If a dice is thrown n -times and probability of getting 7 times odd is equal to 9 times even. Then $P(2 \text{ even})$ is $K/2^{15}$ then K is:

1. 58

2. 60

3. 48

4. 65