

# Class 10 Physics

Total points 8/10 ?

Electricity

Name of Student:

Manan.Y.Mehta

✓ 1. The unit of charge is:

1/1

- ☐ Ampere
- ☐ Volt
- ☒ Coulomb



✓ 2. State true or false: Potential difference is the rate of flow of charges.

1/1

- ☐ True
- ☒ False

✓ 3. Complete the formula:  $V = \text{_____}/Q$ 

1/1

- ☐ I
- ☒ W
- ☐ ne



✓ 4. Pick the correct option for Ohm's Law:

1/1

- ☐  $R = VI$
- ☐  $I = RV$
- ☒  $I = V/R$
- ☐  $I = R/V$



✓ 5. Potential Difference is a \_\_\_\_\_ quantity.

1/1

- ☐ vector
- ☒ scalar



✓ 6. The amount of electric charge flowing through the circuit if an electric current of 5 A is drawn by an electric appliance for 5 minute is

1/1

- ☐ 5 C
- ☐ 25 C
- ☐ 1 C
- ☒ 1500C



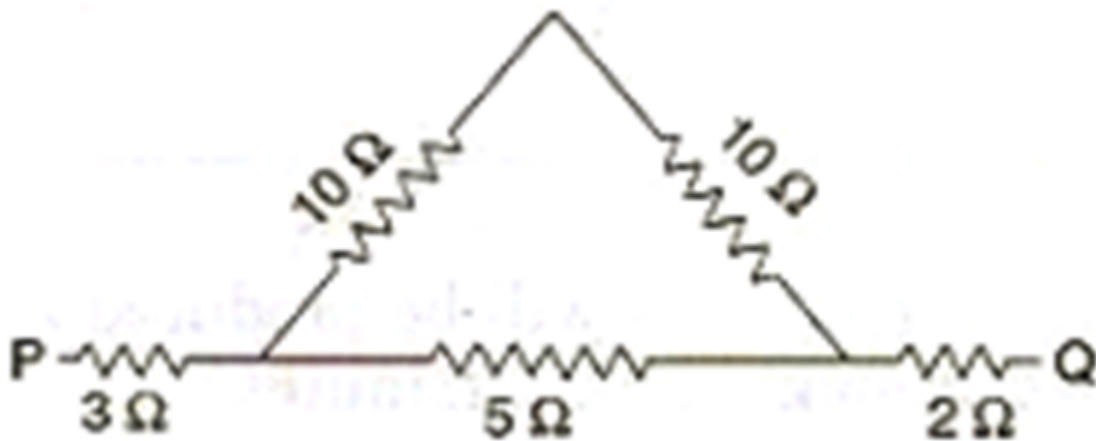
✓ 7. The resistance if 5 A of electric current flows through a conductor having potential difference between two points equal to 15 V is: 1/1

- ☐ 75 ohms
- ☐ 1/3 ohms
- ☒ 3 ohms
- ☐ 10 ohms



✗ 8. Observe the circuit. The equivalent resistance is:

0/1



- ☐ 5.25 ohms
- ☐ 9 ohms
- ☐ 22 ohms
- ☒ none of the above



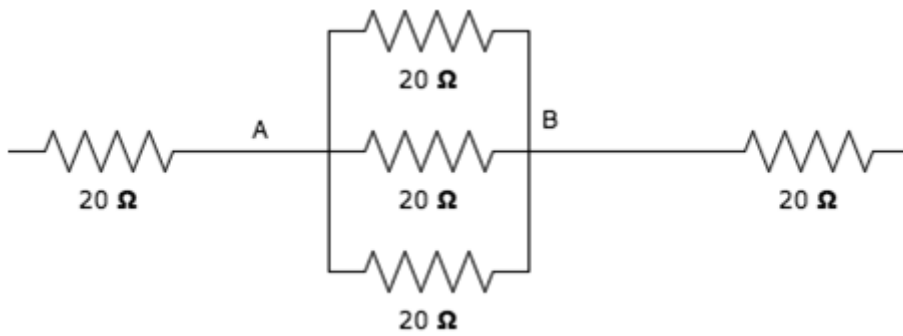
Correct answer

- ☒ 9 ohms



✗ 9. The equivalent resistance of the circuit given below is:

0/1



- ☐ 46.7 ohms
- ☒ 100 ohms
- ☐ 40.15 ohms
- ☐ 70 ohms

Correct answer

- ☒ 46.7 ohms

✗

✓ 10. In a circuit an ammeter is connected in parallel and the voltmeter is connected in series:

1/1

- ☐ True
- ☒ False

✓

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