

## Physics 10th Class English Medium Unit 5 Online Test

Sr	Questions	Answers Choice
1	The equivalent resistance in parallel combination is:	<p>A. <math>R_c = R_1 + R_2 + R_3 + \dots + R_n</math></p> <p>B. <math>R_c = 1/R_1 + 1/R_2 + 1/R_3 + \dots + 1/R_n</math></p> <p>C. a and b</p> <p>D. None of these</p>
2	Resistance of conductor is directly proportional to:	<p>A. Length</p> <p>B. Pressure</p> <p>C. Area</p> <p>D. All of these</p>
3	The unit of resistance is:	<p>A. <math>\Omega</math>-m</p> <p>B. <math>\Omega</math></p> <p>C. V</p> <p>D. C</p>
4	The unit of ( $\rho$ ) in formula $R = \rho L/a$ is _____.	<p>A. <math>\Omega</math></p> <p>B. <math>\Omega</math>-m</p> <p>C. <math>\Omega</math>-m<sup>2</sup></p> <p>D. <math>\Omega</math>-m<sup>-2</sup></p>
5	What type of graph is in between V and I?	<p>A. Curved</p> <p>B. Parabola</p> <p>C. Straight line</p> <p>D. None of these</p>
6	According to Ohm's law $V =$ _____	<p>A. <math>I^2 R</math></p> <p>B. <math>I R^2</math></p> <p>C. <math>I R</math></p> <p>D. <math>I/R</math></p>
7	The unit of potential difference is:	<p>A. Volt</p> <p>B. Coulomb</p> <p>C. Ampere</p> <p>D. Joule</p>
8	The resistance of conductors is due to:	<p>A. Protons</p> <p>B. Fixed atoms</p> <p>C. Molecules</p> <p>D. Neutrons</p>
9	Battery converts chemical energy into which energy:	<p>A. Mechanical</p> <p>B. Electrical</p> <p>C. Thermal</p> <p>D. None of these</p>
10	The rate of flow of charge through any cross-sectional area is called:	<p>A. potential difference</p> <p>B. Energy</p> <p>C. Coulomb</p> <p>D. Electric current</p>
11	The ampere is a unit of:	<p>A. Energy</p> <p>B. Potential difference</p> <p>C. Electric potential</p> <p>D. Electric current</p>
12	The combined resistance of two identical resistors, connected in series is $8\Omega$ . Their combined resistance in a parallel arrangement will be:	<p>A. <math>2\Omega</math></p> <p>B. <math>4\Omega</math></p> <p>C. <math>8\Omega</math></p> <p>D. <math>12\Omega</math></p>