

Physics 10th Class English Medium Unit 5 Online Test

| Sr | Questions | Answers Choice |
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| 1 | What is the power rating of a lamp connected to a 12 v source when it carries 2.5 A? | A. 4.8 W B. 14.5 W C. 30 W D. 60 W |
| 2 | If we double both the current and the voltage in a circuit while keeping its resistance constant, the power. | A. remains unchanged B. halves C. doubles D. four time |
| 3 | Which we double the voltage in a simple electric circuit. We double the | A. Current B. Power C. Resistance D. both a and b |
| 4 | Electric potential and e.m.f. | A. are the same terms B. are the different terms C. have different units D. both b and c |
| 5 | What should household appliances be connected in parallel with the voltage source? | A. to increase the resistance of the circuit B. to decrease the resistance of the circuit C. to provide each appliance the same voltage as the power source D. to provide each appliance the same current as the power source |
| 6 | What happens to the intensity of the brightness of the lamps connected in series as more and more lamps are added? | A. Increases B. Decreases C. Remains the same D. Can not be predicted |
| 7 | What is the voltage across a 6Ω resistor when 3 A of current passes through it? | A. 2 V B. 9 V C. 18 V D. 36 V |
| 8 | An electric current in conductors is due to the flow of: | A. Positive ions B. Negative ions C. Positive charge D. free electron |
| 9 | Which one is a safety device? | A. Switch B. Fuse C. Circuit breaker D. Both B and C |
| 10 | Mathematical form of Ohm's law is: | A. $V = IR$ B. $V = I^2R$ C. $V = Qt$ D. $V = IR^2$ |
| 11 | What is the voltage across a 6Ω resistor when 3A current passes through it? | A. 2V B. 9V C. 18V D. 36V |
| 12 | The S.I unit of electric power is: | A. Volt B. Watt C. Ampere D. Joule |