

Class 12 Physics Chapter 3 Current Electricity MCQs
1. What is the resistance of a human body?
(a) 12 Ω
(b) 120 KΩ
(c) 12 KΩ
(d) 2 Ω
2. A silver wire has a resistance of 2.1 Ω at 27.5 °C, and a resistance of 2.7 Ω at 100 °C. What is the
temperature coefficient of resistivity of silver?
(a) 0.0059
(b) 0.0039
(c) 0.0129
(d) 0.0159
3. The rate of flow of electric charge through any cross-section of a conductor is known as
(a) Electric flux
(b) Electric potential
(c) Electric current
(d) Electric field
4. Mobility is denoted by
(a) η
(b) α
(c) μ
(d) ρ
5. Which of the following is non-ohmic resistance?
(a) Lamp filament
(b) Copper wire
(c) Carbon resistor
(d) Diode



	The Learning App					
(a) (b) (c)	t of conductance is Dyne Siemen Ohm Volts					
7. Current density is a						
	Scalar					
(b)	Vector					
(c)	Dimensionless quar	ntity				
(d)	None of the options	S				
8. The resistivity of certain metals or alloys drops to zero when they are cooled below a certain						
=	erature; this phenom	enon is known as				
	Conductivity					
	Partial conductivity					
	Superconductivity					
(a)	Non-conductivity					
9 Stat	e true or false. The t	otal resistance in the	e series combination	n is more than the σ	reatest	
9. State true or false: The total resistance in the series combination is more than the greatest resistance in the circuit.						
	True					
	False					
(-)						
10. The opposition offered by the electrolyte of the cell to the flow of current through itself is known						
as						
(a)	External resistance					
(b)	Internal resistance					
(c)	Non-resistance					
(d)	None of the option					

	1-(c)	2-(b)	3-(c)	4-(c)	5-(d)	
	6-(b)	7-(b)	8-(c)	9-(a)	10-(b)	