

ECAT Physics Chapter 15 Electromagnetic Induction Online Test

Sr	Questions	Answers Choice
1	Instead of moving the coil towards a magnet, the magnet is moved towards the coil with the same speed. The galvanometer shows current:	A. Of same magnitude in the same direction B. Of different magnitude in the same direction C. Of same magnitude but in opposite direction D. Of different magnitude in the opposite direction E. None of these
2	When there is no relative motion between the magnet and coil, the galvanometer indicates:	A. No current in circuit B. An increasing current C. A decreasing current D. Either B or C
3	The magnitude of induced emf depends upon the:	A. Rate of decrease of magnetic field B. Rate of change of magnetic field C. Rate of increase of magnetic flux D. Constancy of magnetic field E. None of these
4	Micheal Faraday and joseph Henry belong respectively to:	A. USA and England B. England and France C. England and USA D. USA and France E. None of these
5	In magnet-coil experiment, emf can be produced by:	A. Keeping the coil stationary and moving the magnet B. Keeping the magnet stationary and moving the coil C. Relative motion of the loop and magnet D. Any one of above E. All above
6	The induced current in the loop can be increased by:	A. Using a strong magnetic field B. Moving the loop faster C. Replacing the loop by a coil of many turns D. All of above E. None of these
7	The induced current in a conductor depends upon:	A. Resistance of the loop B. Speed with which the conductor moves C. Any of these D. Both A and B E. None of these
8	The phenomenon of generation of induced emf is called:	A. Electrostatic induced B. Magnetic induced C. Electromagnetic induced D. Electric induced E. Both A and C
		A. Constant magnetic field B. Changing magnetic field

9	An induced current can be produced by:	<p>C. Varying magnetic field</p> <p>D. Constant electric field</p> <p>E. None of these</p>
10	An induced current can be produced by:	<p>A. Constant magnetic field</p> <p>B. Changing magnetic field</p> <p>C. Varying magnetic field</p> <p>D. Constant electric field</p> <p>E. None of these</p>
11	An emf is set up in a conductor when it:	<p>A. Is kept in a magnetic field</p> <p>B. Is kept in an electric field</p> <p>C. Moves across a magnetic field</p> <p>D. Both A and B</p> <p>E. None of these</p>
12	The current produced by moving a loop of wire across a magnetic field is called:	<p>A. Direct current</p> <p>B. Magnetic current</p> <p>C. Alternating current</p> <p>D. Induced current</p> <p>E. None of these</p>
13	Eddy current is produced when:	<p>A. A metal is kept in varying magnetic field</p> <p>B. A metal is kept in steady magnetic field</p> <p>C. A circular coil is placed in a steady magnetic field</p> <p>D. A current is passed through a circular coil</p>
14	Step up transformer has a transformation ratio of 3:2. What is the voltage in secondary, if voltage in primary is 30V:	<p>A. 45 V</p> <p>B. 15 V</p> <p>C. 90 V</p> <p>D. 300 V</p>
15	Which of the following quantities remain constant in step up transformer?	<p>A. Current</p> <p>B. Voltage</p> <p>C. Power</p> <p>D. Heat</p>