Physics ICS Part 2 Chapter 15 Online MCQ's Test

Sr	Questions	Answers Choice
1	The movement of conductor in magnetic field produces electrical current was discovered in:	A. 1931 B. 1731 C. 1842 D. 1831
2	Question Image	A. Lenz's law B. Faraday's law C. Ampere's law D. None of these
3	A metal rod of 1 m is moving at a speed of 1 ms-1 in a direction making an angle 30 ^{o} with 0.5 T magnetic field . The emf produced is.	A. 0.25 N B. 2.5 N C. 0.25 V D. 2.5 V
4	When the back emf is zero, its draws.	A. Zero current B. Minimum current C. Maximum current D. Steady current
5	If speed of rotation of a generator is doubled the output voltage will be.	A. Remain same B. Double C. Four time D. One half
6	The application of mutual induction is a.	A. D.C. motor B. Radio C. Television D. Transformer
7	The magnitude of motional emf is given by	
8	Lenz's law presented in	A. 1834 B. 1934 C. 1826 D. 1836
9	The Si unit of Mutual inductance is:	A. VA⁻¹S⁻¹ B. VAS⁻¹ C. VSA⁻¹ D. ASV⁻¹
10	The device in the circuit that consume electrical energy are known as.	A. Dissipaters B. Generator C. Load D. Motors
11	the core of transformer is laminated so reduce.	A. Magnetic loss B. Hysteresis loss C. Eddy current loss D. Electric loss
12	When the back emf in a current is zero, it draws	A. Zero current B. Maximum current C. Minimum current D. Steady average current
13	The mutual inductance of the coils depends upon.	A. Stiffness of the coils B. Density of coils C. Material of coils D. Geometry of the coils
14	The direction of induced current is always so as to oppose the change which causes the current is:	A. Faraday's law B. Lenz's law C. Ohm's law D. Kirchhoff's 1st rule
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16	The unit of induced emf is	A. Ampere B. Volt C. Joule/coulomb

		D. Both (b) and (c)
17	The direction of induced current is always so as to oppose the change which causes the current, this is the statement of	A. Lenz's law B. Faraday's law C. Ampere's law D. Coulomb's law
18	In case of inductor , energy is stored in the	A. Electric field B. Magnetic field C. Potential field D. Gravitational field
19	DC generator by william Sturgeon in:	A. 1894 B. 1961 C. 1834 D. 1961
20	Lenz's law was given by Heinrich lenz in:	A. 1894 B. 1904 C. 1854 D. 1834