

Physics Fsc Part 1 Chapter 10 Online Test

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| Sr | Questions | Answers Choice |
| 1 | If a current is passing through a wire, the magnet lines of fore are. | A. Concentric circles B. Parallel to the wire C. Perpendicular to the wire D. Inclined to the wire |
| 2 | One of the following quantities that is not affected by the magentic field is | A. Moving charge B. Change in magenetic flux C. Current flowing in conductor D. Stationary charge |
| 3 | Electrons while moving perpedicularly through a uniform magnetic field are. | A. Deflected towards north pole B. Deflected towards south pole C. Deflected along circular path D. Not deflected at all |
| 4 | Production of induced emf in a coil is linked with. | A. Nature of coil B. Shape of coil C. Flux through coil D. Chagn in flux through coil |
| 5 | The direction of line of magetic force can be found by | A. Right hand rule B. Left and rule C. Hund's rule D. Left and right hand rules |
| 6 | The radius of curvature of the path of a charged particle in a uniform magentic field is directly proportional to | A. The particle's charge B. The particle's momentum C. The particle's energy D. The flux dinsity of the field |
| 7 | The fact that emf produced by motion of a coil across a magnetic field was discovered by | A. Michael Faraday B. Henry C. Orested D. Soh a and b |
| 8 | If the current passing through a wire in a magnetic fiedl is doubled, the magnetic force would become. | A. Twice B. Six times C. Five times D. Four times |
| 9 | The e.m.f. produced in th conductor when it moves across a magnetic field is called. | A. Self emf B. Motonal emf C. Mutual emf D. Induced emf |
| 10 | A changing magnetic field produces | A. Electric current B. Changing electric fiedl C. Magnetic field D. Conservative field |
| 11 | The unit of flux density is. | A. NA -1 m-1 B. NA m-1 C. N m A-2 D. Nm A |
| 12 | Two free parallel straight wires carrying currents inthe opposite direction | A. Do not affect wach other B. Repel each other C. Attract each other D. Get rotated |
| 13 | What is teh value of the current in a wire of 10 cm long of the right angle to a uniform magentic field of 0.5 1weber/m2 when the force acting on the wire is 5 N? | A. 1 A B. 100 A C. 10 A D. 100 A |
| 14 | The current produced when the conductor moes across a magnetic field is called | A. Electric potential B. Electrosatic induction C. Electromagnetic |

| | | induction D. Electric polarization |
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| 15 | When a charged particle is projected perpedicular to uniform magnetic field, its trajectory is. | A. A circle B. Ellipse C. A helix D. Straight line |
| 16 | The SI Unit of magnetic flux is. | A. Weber B. N m-1 C. N m A-1 D. Both a and c |
| 17 | Lenz's law is consistent with | A. Law of conservation of energy B. Law of conservation of charge C. Law of conservation of momentum D. Law of conservation of momentum D. Law of conservation of mass |
| 18 | The unit NA-1 m-1 is called | A. Weber B. Tesla C. Coulomb D. None of these |
| 19 | A magnetic compass will be deffected if it is kept near a | A. Charge of motion B. Charge at rest C. Both a and b D. None |
| 20 | The SI unit of magnetic induction or flux density is. | A. Tesla B. Gauss C. Ampere D. Weber |