

## Physics ICS Part 2 Online MCQ's Test

| Sr | Questions                                                                                         | Answers Choice                                                                                                                                                          |
|----|---------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | A dot represents the direction of magnetic field.                                                 | A. Out of page B. Into the page C. Tangent to page D. Parallels to page                                                                                                 |
| 2  | A particles equal or greater in mass than of protons are called.                                  | A. Baryons B. Leptons C. Mesons D. Quarks                                                                                                                               |
| 3  | A device used for detection of current is called.                                                 | A. Inductor B. Voltmeter C. Capacitor D. Galvanometer                                                                                                                   |
| 4  | Subatomic particles are divided into groups.                                                      | A. Photon B. Laptons C. Hadrons D. All of these                                                                                                                         |
| 5  | The mass of an object will be doubled at speed.                                                   | A. 2.6 x 10 <sup>8</sup> m/s B. 1.6 x 10 <sup>8 </sup> m/s C. 2.6 x 10 <sup>7 </sup> m/s D. 3.6 x 10 <sup>7</sup> m/s                                                   |
| 6  | Special organs called ampullae of lorenzenite are present in.                                     | A. Bats B. Cats C. Dogs D. Sharks                                                                                                                                       |
| 7  | Very weak magnetic field produced by brain can be detected by                                     | A. MRI B. CAT scans C. Squid D. CRO                                                                                                                                     |
| 8  | μ <sub>∘</sub> (Ampere's constant) has value.                                                     | A. 4πx10 <sup>-7</sup> WbA <sup>-1</sup> m <sup>-1</sup> B. 4πx10 <sup>-17</sup> Wbm <sup>2</sup> C. 4πx10 <sup>7</sup> WbA <sup>-1</sup> D. 4πx10-27 Wb/m <sup>2</sup> |
| 9  | Which of the following is similar to electron.                                                    | A. Beta particle B. Alpha particle C. Neutron D. Proton                                                                                                                 |
| 10 | Two resistance of 2 Ohm each are connected in parallel combination equivalent resistance will be. | A. 4 Ohm<br>B. 2 Ohm<br>C. 1 Ohm<br>D. 8 Ohm                                                                                                                            |
| 11 | Output resistance of an op amp is                                                                 | A. High B. Low C. Zero D. Equal to input resistance                                                                                                                     |
| 12 | The idea of laser device was first introduced by C.H. Towners and Authers Schowlan is             | A. 1972<br>B. 1965<br>C. 1958<br>D. 1913                                                                                                                                |
| 13 | An ECG records the between points on human skin generated by electric process i the heart.        | A. Heart beat B. Pulse rate C. Pressure D. Voltage                                                                                                                      |
| 14 | Pair production occurs only when energy of photon is at least equal in:                           | A. 1.02keV<br>B. 1.02 eV<br>C. 1.02 MeV<br>D. 1.02 GeV                                                                                                                  |
|    |                                                                                                   | A. High atomic number and high                                                                                                                                          |

| 15 | Target material used in x-rays tube have following properties.                          | melting pouint B. High atomic number and low melting pouint C. Low atomic number and low melting pouint D. High atomic number only |
|----|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| 16 | A photon while passing thorugh a magnetic field are deflected towards:                  | A. North pole B. South pole C. Are ionized D. None of these                                                                        |
| 17 | The motional emf is give by                                                             | A. qvB<br>B. IBL<br>C. eBL<br>D. vBL                                                                                               |
| 18 | When transistor are used in digital circuits they usually operate in the :              | A. Active region     B. Break down region     C. Saturation & D. Linear region                                                     |
| 19 | Compton effect proves.                                                                  | A. Wave nature of radiation B. Wave nature of particle C. Dual nature of particle D. Particle nature of radiations                 |
| 20 | If electron jumps from second orbit to first orbit in hydrogen atom it emits photon of. | A. 3.40 eV<br>B. 10.20 eV<br>C. 13.6 eV<br>D. 3.8 eV                                                                               |