# Physics ICS Part 2 Chapter 19 Online MCQ's Test

| Sr | Questions | Answers Choice |
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| 1 | Disintegration of photon on striking a nucleus into an electron and positron is known as. | A. Annihilation of matter<br>B. Compton effect<br>C. Pair production<br>D. Photo electric effect |
| 2 | A positron is an anti particle of. | A. Proton<br>B. Electron<br>C. Neutron<br>D. Photon |
| 3 | In an nihilation emitted photons moves in opposite directions to conserve. | A. Mass<br>B. Charge<br>C. Energy<br>D. Momentum |
| 4 | The stopping potential for a certain metal is 10 volts. Thus work function for the cathode is. | A. 10 J<br>B. 1.6 X 10<sup>-18</sup> J<br>C. 1.6 X 10<sup>-19</sup> J<br>D. 1.6 X 10<sup>30</sup> J |
| 5 | A block body is an ideal: | A. Absorber<br>B. Radiator<br>C. Both a & b<br>D. None of above |
| 6 | The concept of direction is purely | A. Relative<br>B. Absolute<br>C. Relative to the motion<br>D. None of these |
| 7 | Maximum Compton shift is observed at. | A. 30<sup>o</sup>C<br>B. 90<sup>o</sup>C<br>C. 45<sup>o</sup>C<br>D. 180<sup>o</sup>C |
| 8 | unit of Plank's constant is same as that of. | A. Acceleration<br>B. Angular momentum<br>C. Linear momentum<br>D. Entropy |
| 9 | Potassium Cathodes in photocell emit electrons for a light. | A. Visible<br>B. Infra red<br>C. Ultra violet<br>D. X rays |
| 10 | When platinum wire is heated, it changes to cherry red at temperature. | A. 500<sup>o</sup>C<br>B. 900<sup>o</sup>C<br>C. 1100<sup>o</sup>C<br>D. 1300<sup>o</sup>C |
| 11 | The emission of electrons from metal surface when exposed to light is called: | A. Compton effect<br>B. Pair production<br>C. Photoelectric effect<br>D. None of above |
| 12 | Using relativistic effects the location of an air craft after an hour fight can be predicated about | A. 20 m<br>B. 50 m<br>C. 760 m<br>D. 780 m |
| 13 | The most refined form of matter is: | A. Smoke<br>B. Light<br>C. Ice<br>D. Fog |
| 14 | The quantity/factor $h/m_oc$ has the dimensions of. | A. Length<br>B. Time<br>C. Mass<br>D. Energy |
| 15 | Anti particle of electron is | A. Proton<br>B. Photon<br>C. Neutron<br>D. Positron |

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| 16 | When platinum is heated is become dull red at: | A. 900°C<br>B. 500°C<br>C. 800°C<br>D. 1100°C |
| 17 | Photodiode is used for wave nature of. | A. Light<br>B. Thermal radiation<br>C. Radi waves<br>D. Sound waves |
| 18 | Earth orbital speed is. | A. 10 km/s<br>B. 20 km/s<br>C. 30 km/s<br>D. 40 km/s |
| 19 | When platinum is it becomes orange at | A. 500<sup>o</sup>C<br>B. 900<sup>o</sup>C<br>C. 1100<sup>o</sup>C<br>D. 1300<sup>o</sup>C |
| 20 | The Compton effect is associated with | A. X-rays<br>B. y-rays<br>C. Positive rays<br>D. ß-rays |