

Physics ICS Part 2 Online MCQ's Test

| Sr | Questions | Answers Choice |
|----|--|--|
| 1 | The number of Neutron is $^{238}\text{U}_{92}$ is | A. 92 B. 238 C. 146 D. 330 |
| 2 | Magnetic effect of current is used in. | A. Toaster B. Electric iron C. Electric motor D. D.C. Battery |
| 3 | Two metallic sphere of radius 2 cm and 4 cm get equal quantity of charge. Which has greater surface charge density ? | A. 2 nd sphere B. Both have same C. First sphere D. None of these |
| 4 | The temperature at which, semiconductor behaves as insulators: | A. 10k B. 0k C. 237k D. None of above |
| 5 | The absolute electric potential at a point distance 20 cm from a charge of 2 μC is. | A. 9×10^{22} V B. 9×10^{33} V C. 9×10^{44} V D. 9×10^{55} V |
| 6 | Which is true for both alpha particle and gama rays. | A. They cause ionization in air B. They can be deflected by electric field C. They can be deflected by magnetic field D. The y can penetrate a few millimeters of aluminium |
| 7 | 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 |
| 8 | Albert Einstein got noble prize for service in: | A. Pair production B. Annihilation of matter theory C. Compton effect D. Photoelectric effect |
| 9 | 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 |
| 10 | Which of the modulus of elasticity is involved in compressing a rod to decrease its length ? | A. Young's modulus B. Bulk modulus C. Modulus of elasticity D. None of these |
| 11 | The number of neutrons in Li are | A. 2 B. 3 C. 4 D. 7 |
| 12 | The Kirchoff 1 st rule is manifestation of: | A. Law of conservation of mass B. Law of Conservation of charge C. Law of conservation of energy D. None of above |
| 13 | In carbon resistors, then value of Blue colour is. | A. 6 B. 7 C. 8 D. 9 |
| 14 | In Millikan's oil drop experiment a charged particle of mass 'm' is in equilibrium in an will | A. Zero B. $g/2$ C. g D. $2g$ |
| | | A. Protons |

| | | |
|----|--|---|
| 15 | The mass of beta particle is equal to mass of. | B. Electrons C. Neutrons D. Boron |
| 16 | Coulomb /volt is called. | A. Farad B. Ampere C. Joule D. Henry |
| 17 | Transformer is used to change | A. Electric power B. Magnetic field C. Alternating voltage D. Phase of A.C. |
| 18 | For Holography we use | A. X ray B. Laser C. gama rays D. Beta rays |
| 19 | The solids are classified as | A. Polymeric B. Amorphous C. Crystalline D. All of above |
| 20 | All motions are | A. Absolute B. Uniform C. Relative D. Variable |