

Physics FSC Part 2 Online MCQ's Test

| Sr | Questions | Answers Choice |
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| 1 | The photon with energy greater than 1.02 MeV can interact with matter as. | A. Photoelectric effect B. Compton effect C. Pair production D. annihilation of matter |
| 2 | The expression P = VI hold only when current and voltage are. | A. In phase B. Out of phase C. At right angle to each other D. At angle of 120 ^o |
| 3 | An ammeter is an electrical instrument which is used to measure. | A. Voltage B. Current C. Resistance D. None |
| 4 | If F1 and F2 are teh magnetic forces acting on a particle and electron respectively when moving perpendicular to the magnetic field then. | A. F1=F2 B. F1>F2 C. F1 <f2 d.="" f1="4F2</td"></f2> |
| 5 | The electric potential at a mid point in an electric dipole is. | A. 0 V B. 0.5 V C. 1 V D. 1.5 V |
| 6 | The potential difference between the top and bottom of a cloud chamber is of the order of | A. 290 v B. 400 v C. 1 kv D. None of above |
| 7 | The SI unit of flux density is. | A. NA-1 m2 B. NA-1 m-1 C. NAm-1 D. NA-1 m |
| 8 | For which material medium, force between two charged particles is maximum. | A. Ammonia B. Germanium C. Mica D. Teflon |
| 9 | In a transistor, collector current is controlled by: | A. Collector voltage B. Base current C. Collector resistance D. All of the above |
| 10 | Which of the following is one of the spectral series of atomic hydrogen? | A. Brockett series B. Balmer series C. P fund series D. All of above |
| 11 | The bnding energy for nucleus A is 7.7 Me V and that for nucleus B is 7.8 MeV. Which nucleus has the larger mass? | A. Nucleas A B. Nucleus B C. Less than nucleus D. None of these |
| 12 | In A.C. generator , when plane of coil is perpendicular to magnetic field, then output of generator is. | A. NwAB B. 2pi f C. Maximum D. Zero |
| 13 | The current flowing through each resistor of equal resistance in parallel combination is. | A. Same B. Different C. Zero D. Infinite |
| 14 | Flux through any closed surface is: | A. 1/ε ² _∘ times the total charge enclosed in it B. ε ² _∘ time the total charge enclosed in it C. 1/ε _∘ ties the total charge enclosed in ti D. ε _∘ time the total charge enclosed in ti D. ε _∘ time the total charge enclosed in it |
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| 15 | CRO works by deflecting the beam of electron as they pass through | A. Uniform magnetic field B. Uniform electric field between two sets of parallel plates C. Non-uniform magnetic field D. None of these |
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| 16 | The amount of energy equivalent to 1 a.m.u is | A. 931.5 MeV B. 93.15 MeV C. 9.315 MeV D. 2.224 MeV |
| 17 | Write the SI unit of magnetic flux. | A. Tesla B. Weber C. Weber m-2 D. Tesla m2 |
| 18 | When a wire is stretched and its radius becomes r/2, then its resistance will be | A. 16 R B. 4 R C. 2R D. 0 |
| 19 | Which one is pentavalent impurity | A. Boron B. Gallium C. Antimony D. Indium |
| 20 | Hydrogen bomb is an example of. | A. Nuclear fissionB. Nuclear fusionC. Chain reactionD. Chemical reaction |