Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	Seven resistances are connected as shown in the figures . THe equivalent resistance between A and B is:	A. 3Ω B. 4Ω C. 4.5Ω D. 5Ω
2	Two parrallel, metal plates are a distance 8.00 m apart. The electric field between the plates in uniform, Directed toward the right , and has a magnitude of 4.00 N/C. If an ion of charge +2e is released at rest at the left-hand plate. What is its kinetic energy when reaches the right-hand plate?	A. 4 eV B. 64 eV C. 32 eV D. 16 eV
3	The electric field in some region of of space is uniform in magnitude and direction. Which one of the following five statements best desccribes the volume charge density (ρ) , in this region of space?	A. ρ = 0 B. ρ decreases linearly in the direction of the electric field C. ρ increases linearly in the direction of the electric field D. ρ has a uniform value throughout the region E.
4	A one microfarad capacitor of a TV is subjected to 4000 V potencial difference.The energy stored in capacitor is:	A. 8 j B. 16 j C. 4 x 10⁻³j D. 2 x 10⁻³j
5	A capacitor is charged with a battery and then it is disconnected. A slab of dielectric is now inserted between the plates, Then	A. The charge in the plates reduces and potencial difference increase B. Potencial difference between the plates increase, stored energy decreases and charge remains the same C. Potencial difference between the plates decreases, stored energy decreases and charge remains unchanged D. None of them
6	A proton is about 1840 time than an electron. When it is accelerated by a potencial difference if 1 kV, its kinetic energy will be:	A. 1884 ke V B. 1/1840 keV C. 1 keV D. 920 keV
7	Electric potencial of earth is taken to be zero because the earth is good:	A. Semiconductor B. Conductor C. Insulator D. Dielectric
8	Some charge is being given to a conductor. Then its potencial	A. Its maximum at surface B. Its maximum at Its maximum at center C. Is remain same throughout the conductor D. Is maximum somewhere between surface and centre
9	A charge Q is divided into tweo parts q and Q-q and seperated by a distance R. The force of equilibrium between them will be maximum when:	A. q=Q/4 B. q=Q/2 C. q=Q D. None of these
10	Controlling rods inserted into the reactor are of metal:	A. Aluminium B. Cadmium C. Magnesium D. Copper
		A. Otto Hahn

11	Nuclear fission was discovered by:	B. Friz strassmann C. Both a and b D. Michaelson
12	Binding energy per nucleus for uranium is above:	A. 6.7 Mev B. 7.7 Mev C. 6.9 MeV D. 7.9 MeV
13	James chadwick discovered:	A. Proton B. Positron C. Neutron D. Electron
14	I amu =	A. 9.31 MeV B. 931 MeV C. 9.031 MeV D. None of above
15	Before and after nuclear reaction the number of protons and neutrons:	A. Must be different B. Must be decreased C. Must be increased D. Remains same
16	Rutherford performed on experiment on a nuclear reaction in:	A. 1921 B. 1981 C. 1927 D. 1932
17	The unit of radioactivity is:	A. Bequerel B. Henry C. Pascal D. Joule