Atomic and Nuclear Physics

Sr	Questions	Answers Choice
1	Isotopes are atoms of same element with different :	A. Atomic mass B. Atomic Number C. Number of proton D. Number of Neutron
2	The symbol of atomic mass number is:	A. A B. X C. N D. Z
3	When resistances are connected in parallel, the current passing through them is:	A. Same<o:p></o:p> B. Zero<o:p></o:p> C. Different<o:p></o:p> D. Infinite<o:p></o:p>
4	for which of following ampere second could be the unit:	A. energy<o:p></o:p> B. current<o:p></o:p> C. charge<o:p></o:p> D. power<o:p></o:p>
5	If 2 joules of energy is required to transfer one coulomb of charge from one point to another, the potential difference between these points will be:	A. 1V<o:p></o:p> B. 2V<o:p></o:p> C. 4V<o:p></o:p> D. <o:p></o:p>6V <o:p></o:p>
6	the power of washing machine is:	A. 700 W<o:p></o:p> B. 750 W<o:p></o:p> C. 650 W<o:p></o:p> D. 800 W<o:p></o:p>
7	a fuse is connected in series with:	A. neutral wire<o:p></o:p> B. live wire<o:p></o:p> C. earth wire<o:p></o:p> D. cable wire<o:p></o:p>
8	When a heavy nucleus splits into lighter nuclei,the process would.	A. Release nuclear energy B. absorb nuclear energy C. Release Chemical energy D. Absorb Chemical Energy
9	The A.C used in Pakistan has frequency:	A. 60 Hz<o:p></o:p> B. 30 Hz<o:p></o:p> C. 50 Hz<o:p></o:p> D. 130 Hz<o:p></o:p>
10	The half life of radium 226 is	A. 1600 year B. 1610 years C. 1620 years D. 1630 years

11	For observing how fast plants are absorbing phosphate fertilizer we use.	A. I.131 B. Ph -32 C. Co-60 D. Ar-40
12	Which radiations are free of effect of electric and magnetic field?	A. Alpha B. Beta C. Gamma D. Alpha and beta
13	One of the isotopes of uranium is $^{238}U_{92}$the number of neutrons in the isotopes is.	A. 92 B. 146 C. 238 D. 330
14	The temperature at the centre of sun is.	A. 10 million k B. 20 million k C. 30 million k D. 35 million k
15	What is the power rating of a lamp connector to a 12 V source when it carries 2.5 A:	A. 4.8W<o:p></o:p> B. 14.5W<o:p></o:p> C. 30W<o:p></o:p> D. 60W<o:p></o:p>
16	Circuit breaker works on the principle of:	A. Electric current<o:p></o:p> B. Magnetism<o:p></o:p> C. Electromagnetism<o:p></o:p> D. Electrostatics<o:p></o:p>
17	How Galvanometer is connected in circuit to detect current:	A. In series<o:p></o:p> B. In parallel<o:p></o:p> C. Fixed<o:p></o:p> D. Variable<o:p></o:p>
18	Release of energy by the sun is due to	A. Nuclear fission B. Nuclear fusion C. Burning of gases D. Chemical reaction
19	The half life of argon nuclide Ar-40 is:	A. 2 x 10⁸years B. 2 .2x 10⁸years C. 2.4x 10⁸years D. 2.8x 10⁸years
20	Safe limit of radiations exposure in one year.	A. 4 rem B. 5 rem C. 3 rem D. 6 rem