Atomic and Nuclear Physics

Sr	Questions	Answers Choice
1	Which among the following radiation has more penetrating power?	A. A beta pareticle B. A gamma particle C. An alpha particle D. None of these
2	Radiations present in atmosphere due to the presence of different radioactive elements are:	A. Cosmic radiations B. Background radiations C. secondary radiations D. Electromagnetic radiations
3	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>
4	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
5	When we double the voltage in a simple electric circuit, we double the:	A. Current<o:p></o:p> B. Power<o:p></o:p> C. Resistance<o:p></o:p> D. Both a and b<o:p></o:p>
6	Which element is used to locate the ulcer in brain?	A. Iodine-131 B. Phosphorus-32 C. Carbon-14 D. Potassium-40
7	an ideal voltmeter is that which draws:	A. small current<o:p></o:p> B. no current<o:p></o:p> C. high current<o:p></o:p> D. none of these<o:p></o:p>
8	Who discovered the phenomenon of natural radioactivity?	A. Henry Becurial B. Merry Curi C. Perry D. Rutherford
9	When a uranium (92 protons) ejects a beta particle, how many protons are left in the remaining nucleus?	A. 92 protons B. 91 protons C. 93 protons D. 89 protons
10	When 1 tonne of coal is burnt then amount of energy is released .	A. 36 x 10⁸ J B. 36 x 10⁹J C. 36 J D. 36 x 10¹⁰J
11	Safe limit of radiations exposure in one year.	A. 4 rem B. 5 rem C. 3 rem D. 6 rem
12	For observing how fast plants are absorbing phosphate fertilizer we use.	A. I.131 B. Ph -32 C. Co-60 D. Ar-40
		A. heat<o:p>

13	battery is one of the source of:	</o:p> B. light<o:p></o:p> C. current<o:p></o:p> D. sound<o:p></o:p>
14	The value or current I passing through a conductor is inversely proportional to:	A. Temperature<o:p></o:p> B. Potential difference<o:p></o:p> C. e.m.f.<o:p></o:p> D. resistance<o:p></o:p>
15	Human skin, in dry conditions, has a resistance of:	A. 20,000 ohm<o:p></o:p> B. 100,000 ohm<o:p></o:p> C. 30,000 ohm<o:p></o:p> D. 2000 ohm<o:p></o:p>
16	A thermistor is a dependent resistors:	A. Heat<o:p></o:p> B. temperature<o:p></o:p> C. energy<o:p></o:p> D. mass<o:p></o:p>
17	The equivalent resistance of a parallel combination is:	A. Equal to sum of all resistance<o:p></o:p> B. Is greater than the largest resistance of combination<o:p></o:p> C. Is smaller than the smallest resistance of combination<o:p></o:p> D. All of these<o:p></o:p>
18	an additional wire used along with live and neutral wire is:	A. cable wire<o:p></o:p> B. earth wire<o:p></o:p> C. grip wire<o:p></o:p> D. hot wire<o:p></o:p>
19	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>
20	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>