

PPSC Physics Topic 7 Modern Physics

Sr	Questions	Answers Choice
1	When Photon incident on a metal produce the emission of electrons the process is called.	A. Photo electric effect B. Pair production C. x-rays production D. Gama ray production
2	Which is the famous standard model of the universe.	A. the big bang B. Casmos C. Astronaut D. The small stap
3	Ionization of a hydrogen atom originally in its ground state takes a minimum out of energy equal to.	A. 2.4 J B. 4.2 J C. 12.3 eV D. 13.6 eV
4	The most suitable material for moderator in a nuclear reactor is.	A. B B. Cd C. D2O D. Uranium
5	An Alpha particle is the same as	A. A helium nucleus B. A high speed electron C. A hydrogen nucleus D. Electromagnetic radiation of short wavelength
6	The SI unit of radioactivity is.	A. Becquerl B. Curie C. Joule D. rutherford
7	Binding energy per nucleon is.	A. Greatest for heavy nuclei B. Least for heavy nuclei C. Greatest for light nuclei D. Greatest for medium weight nuclei
8	The energy delivered to the tissue per unit mass is called the absorbed dose of.	A. X rays B. gama rays C. Radiation D. energy
9	Which quantity remains fixed in isobars.	A. Mass number B. Atomic number C. Number of neutrons D. Number of protons
10	Alpha particles are	A. Helium nuclei B. sodium nuclei C. loized nuclei D. Hydrogen nuclei
11	The X-rays coming from a X-rays tube	A. Is monochromatic B. Has all wavelengths smaller than a certain maximum wavelength C. Has all wavelengths greater than a certain maximum wavelength D. has all wavelengths minimum than a certain maximum wavelength
12	An oscillator is basically an amplifier with loop gain	A. Zero B. Less than unity C. More than unity D. Infinity
13	The particles less in mass than protons are	A. Measons B. Bosons C. Baryons D. Nucleons
14	The Compton effect in X-rays proves that	A. Electrons have wave property B. x-rays have wave properly C. X-rays have particle characteristics D. Electrons cannot exist

15	The maximum energy of emitted photoelectron is measured by	A. the largest potential difference they can traverse B. The current they produce C. The potential difference they produce D. The speed with they emerge
16	If an object moves with velocity of light the apparent length of the object moving the direction of motion becomes.	A. Larger B. Smaller C. Zero D. Infinity
17	Which of the following wavelength lies in X-rays region.	A. 1 Å B. 100 Å C. 1,000 Å D. 10,000 Å
18	The emission of electrons from a metal surface when exposed to light of suitable frequency is called.	A. Pair production B. Compton effect C. Photo electric effect D. Zeeman effect
19	Sub atomic particles which does not experience strong nuclear force are.	A. hadrons B. Photons C. Leptons D. Nucleons
20	How many terminals does a BJT have.	A. 1 B. 2 C. 3 D. 4