

## Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	The open loop gain of the amplifier is order of.	A. $10^6$ B. $10^5$ C. $10^7$ D. $10^3$
2	The gain of transistor amplifier depends upon	A. Resistance connected with collector B. Resistance connected with base voltage C. Input voltage D. Output voltage
3	Boher proposed his atomic model in:	A. 1910 B. 1911 C. 1912 D. 1913
4	Transistor was discovered by	A. Young B. Curie C. John Bardeen D. Shale's
5	The moderator used in a nuclear reactor	A. Sodium B. Uranium C. Graphite D. Cadmium
6	Transistor was invented by:	A. Bardeen B. Micheal faraday C. Lenz D. Newton
7	Compton's effect is associated with	A. gamma rays B. Beta rays C. X rays D. Positive rays
8	There are different crystal systems. The number of these crystal system is.	A. 3 B. 4 C. 5 D. 7
9	The average gap for Germanium at 0K is	A. 1.12 ev B. 0.02 ev C. 6.72 ev D. 7.2 ev
10	The main use of A.C is	A. Minimum line losses B. Long distance transmission C. Stepping up to required voltage only D. Steeping down to required voltage only
11	$X_L =$	A. $2\pi fL$ B. $1/2\pi fL$ C. $2\pi fL$ D. $fL/2\pi$
12	Wave nature of particle was given by:	A. Clemensen B. Louis de Broglie C. Laster H. Germer D. Clinton S. Davisson
13	The electric field lines are closer where the field is	A. Strong B. Weak C. Uniform D. Variable
14	The direction of induced current is always so as to oppose the change which causes the current is:	A. Faraday's law B. Lenz's law C. Ohm's law D. Kirchoff's 1st rule

15	A positron is a particle having.	<p>A. Mass equal to electron  B. Charge equal to electron  C. Mass equal to mass of electron but charge opposite to charge of electron.  D. Mass equal to proton</p>
16	Compton effect proves.	<p>A. Wave nature of radiation  B. Wave nature of particle  C. Dual nature of particle  D. Particle nature of radiations</p>
17	When a wire is stretched and its radius becomes $r/2$ , then its resistance will be	<p>A. <math>16 R</math>  B. <math>4 R</math>  C. <math>2R</math>  D. <math>0</math></p>
18	Efficiency of transformer does not affected by	<p>A. Input voltage  B. Core of transformer  C. Insulation between sheet  D. Resistance of coils</p>
19	The value of maximum output power is?	<p>A. <math>E/4R</math>  B. <math>E^2/4R</math>  C. <math>E^2/4R</math>  D. Non of above</p>
20	Question Image <input type="text"/>	<p>A. Wien's constant  B. Planck's constant  C. Davison constant  D. Lumber's constant</p>