

Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	A positron is a particle having.	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
2	Step up transformer is used.	A. Step up D.C. voltage B. Step up A.C. voltage C. Step up both A.C and D.C. D. Step up A.C. current
3	Light emitting diodes are made from semiconductors.	A. Silicon B. Germanium C. Carbon D. Gallium arsenide
4	Cosmic rays consist of	A. Protons B. High energy photons C. Positron D. All of above
5	Self inductance of a long solenoid is given by	D. None of the above
6	The gain of transistor amplifier depends upon	A. Resistance connected with collector B. Resistance connected with base voltage C. Input voltage D. Output voltage
7	The mass of beta particle is equal to mass of.	A. Protons B. Electrons C. Neutrons D. Boron
8	A changing electric flux creates.	A. Electric fields B. Gravitational C. Magnetic field D. Electric charge
9	Michael Faraday and Joseph Henry belongs to	A. England and USA B. France and USA C. China and USA D. None of these
10	Both Xenon and cesium have	A. 33 isotopes B. 34 Isotopes C. 36 Isotopes D. 35 Isotopes
11	For accurate measurement of current through a circuit, the resistance of ammeter should be	A. Very small B. Very high C. Neither small nor high D. None of the above
12	_____ is the building block of every electronic circuit.	A. Semi conductor diode B. Resistor C. Capacitor D. Amplifier
13	The number of protons in any atom are always equal to the number of	A. Neutrons B. Electrons C. Positrons D. Mesoris
14	5 A of current flows through a conductor in 2 minutes, charge in the wire is.	A. 500 C B. 600 C C. 400 C D. 10 C
15	For normal transistor the emitter current can be given by	A. $I_E = I_C + I_B$ B. $I_E = I_C - I_B$ C. $I_E = I_C + I_B$ D. $I_E = I_C - I_B$

C. $I_{\text{sub}}E_{\text{sub}} = I_{\text{sub}}B_{\text{sub}}$
D. None of these

16 The circuit which compares the two voltages is.

- A. LDR
- B. Sensor
- C. Comparator
- D. Logic gate

17 A current carrying conductor experience maximum magnetic force in a uniform magnetic field when it is placed.

- A. Perpendicular to field
- B. Parallel to field
- C. At an angle of 60° to the field
- D. None of these

18 Ampere's law is applicable to:

- A. Circular path
- B. Rectangular path
- C. To any closed path
- D. Nonwe of these

19 Energy stored in inductor is.

- A. $\frac{1}{2} L I^2$
- B. $\frac{1}{2} LI$
- C. $\frac{1}{2} L^2I$
- D. $\frac{1}{2} L^2I^2$

20 The free electrons experience force.

- A. In direction of $-E$
- B. In direction of E
- C. Both A and B
- D. All of the above