

Physics FSC Part 2 Online MCQ's Test

| Sr | Questions | Answers Choice |
|----|--|---|
| 1 | The condition of resonance is: | A. $X_L = 1/2 X_c$ B. $X_{sub>L</sub> = X_{sub>c</sub>}$ C. $X_{sub>c</sub> = 4_{sub>x2</sub>}$ D. None of above |
| 2 | The only difference between the construction of D.C and A.C is. | A. Carbon burshes B. Coil C. Commutator D. Magnetic field |
| 3 | One use of a single p-n junction semiconductor in an electrical circuit is a | A. Rectifier B. Transistor C. Battery D. Diode |
| 4 | When motor is just started, back emf is almost. | A. Maximum B. Zero C. Minimum D. Infinite |
| 5 | The reciprocal of resistance is called. | A. Capacitance B. Resistance C. Conductance D. Inductance |
| 6 | A transistor has: | A. Two regions B. Three regions C. Single regions D. Four regions |
| 7 | If the number of turns become double but length remain same, then magnetic field in the solenoid become. | A. Half B. Double C. Remain same D. Zero |
| 8 | The half life of radioactive elements depends upon | A. Temperature B. Nature of element C. Amount of the radioactive substance D. Pressure |
| 9 | Einstein photoelectric equation is | D. None of these |
| 10 | In case of capacitor, the unit of reactance is | A. Farad B. Ohm C. Newton D. All of these |
| 11 | The direction of induced current is always so as to oppose the change which causes the current, this is the statement of | A. Lenz's law B. Faraday's law C. Ampere's law D. Coulomb's law |
| 12 | The charge of an alpha particle is equal to | A. -e B. +e C. -2e D. 2e |
| 13 | The movement of conductor in magnetic field produces electrical current was discovered in: | A. 1931 B. 1731 C. 1842 D. 1831 |
| 14 | The A.M. transmission frequencies range from | A. 540 KHz to 1000 KHz B. 540 Khz to 1600 KHz C. 520 KHz TO 1600 KHz D. 520 KHz TO 1400 KHz |
| 15 | An ammeter is an electrical instrument which is used to measure. | A. Voltage B. Current C. Resistance D. None |
| | | A. Deflecting force |

- 16 The vector sum of electric force and magnetic force is called:
A. Lorentz force
B. Newton force
C. Faraday's force
-
- 17 unit of Plank's constant is same as that of.
A. Acceleration
B. Angular momentum
C. Linear momentum
D. Entropy
-
- 18 Average value of current and voltage over a complete cycle is.
A. Positive
B. Negative
C. Zero
D. Infinite
-
- 19 Which of the following is typical source of alpha particle.
A. Strontium -94
B. Radon -222
C. Cobalt -60
D. Zic sulphate
-
- 20 The colour of light emitted by a LED depends on.
A. It forward biased
B. Its reverse biased
C. Unbiased
D. None of these
-