

Physics 10th Class English Medium Online Test

| Sr | Questions | Answers Choice |
|----|---|---|
| 1 | If $X = A \cdot B$, then X is 1 when: | A. A and B are 1 B. A or B is 0 C. A is 0 and B is 1 D. A is 1 and B is 0 |
| 2 | The output of a two input NOR gate is 1 when: | A. A is 1 and B is 0 B. A is 0 and B is 1 C. Both A and B are 0 D. Both A and B are 1 |
| 3 | AND gate can be formed by using two: | A. NOT gates B. OR gates C. NOR gates D. Nand gates |
| 4 | The logical operation performed by this gate is: | A. AND B. NOR C. NAND D. OR |
| 5 | The particles emitted from a hot cathode surface are: | A. Positive ions B. Negative ions C. Proton D. Electron |
| 6 | The process by which electrons are emitted by a hot metal surface is known as: | A. Boiling B. Evaporation C. Conduction D. Thermionic emission |
| 7 | When a current carrying conductor is placed in magnetic field at right angle to it. The direction of force acting upon it is: | A. The same as direction of field B. Opposite the direction of field C. Makes an angle of 45° with the current D. At right angle to both the field and the current. |
| 8 | The shape of magnetic lines of force in case of a straight current carrying conductor is: | A. Elliptical B. Triangular C. Rectangular D. Circular |
| 9 | If the change of current in a circuit induces a current in another circuit, this phenomena is known as: | A. Self induction B. Mutual induction C. Electromagnetic induction D. None mutual induction |
| 10 | In A.C. generator flux will be zero if coil is to the field. | A. 90° B. 45° C. Parallel D. Inclined |
| 11 | Transformer which increase voltage is called. | A. Step-up transformer B. Step down transformer C. D.C. Motor D. A.C. generator |
| 12 | The voltage is decreased by: | A. Step-up transformer B. Step-down transformer C. A.C. generator D. D.C. Motor |