

Model Paper**Physics Paper – XII**

1- ہر سوال کے سامنے چار دائرے دئے گئے ہیں، صرف صحیح جواب والا دائرہ بھریں۔

2- دائروں کو شیڈ (بھرنے) کے لئے نیلے یا کالے رنگ کا مارکر استعمال کریں۔

3- جواب میں ایک سے زائد دائرے بھرنے سے جواب غلط تصور ہوگا۔

Time Allowed: 20 Minutes**SECTION – A****Marks : 18**

- 1 The minimum charge on any body can not less than..... $1.6 \times 10^{-27} \text{ C}$ $1.6 \times 10^{-19} \text{ C}$ $1.6 \times 10^{31} \text{ C}$ None of these
- 2 If a charged particle moves through a magnetic field perpendicular to it. The energy of the particle will Increase Decrease Remain Constant None of these
- 3 The force b/w two points charges when placed in a dielectric medium will..... Increase Decrease Remain Constant None of these
- 4 Which one can be used as a unit of energy? Volt-ampere Newton per meter Watt second Volt per coulomb
- 5 A perfect absorber must be a perfect..... Cavity Radiator Source of radiation Black
- 6 Pair production occurs only when the energy of photon is at least equal to 1.02 Mev 1.02 Kev 1.02 Ev 1.02 Jouls
- 7 Weber per second is equal to Joule Volt Tesla None of tehse
- 8 If the K.E of electrons, protons, alpha particles and neutrons is the same. Which one will have the shortest wavelength? Electron Proton Alpha particle Neutron
- 9 If a step up transformer is 100% efficient, the primary and secondary windings will have the same..... Power Current Number of turns Voltage
- 10 When the P-N junction is reversed biased. The current flowing through it will have the order of..... Milli amperes Amperes Nano amperes Micro-amperes
- 11 An electrical bulb marked 100W, 200V would mean that the resistance is 200Ω 400Ω 50Ω 2Ω
- 12 The shortest wavelength of radiation in Paschen series is $RH/9$ $9/RH$ $9 RH$ $99 RH$
- 13 The ionization potential of Hydrogen atom is..... 13.6 kev 13.6 Mev 13.6 ev -13.6 ev
- 14 The phase difference between current and voltage at resonance is 0 π $-\pi$ $\frac{\pi}{2}$
- 15 What is the coefficient of mutual inductance when the magnetic flux changes by $2 \times 10^{-2} \text{ Wb}$ and change in current is 0.01 A? 2H 3H $\frac{1}{2} \text{ H}$ Zero
- 16 A circuit having zero resistance is called..... Short circuit Open circuit Closed circuit None of these
- 17 The reciprocal of decay constant of a radio active substance is Half life Total life Mean life None of these
- 18 The radius of 3rd bohr orbit in H-atom is greater than the radius of the 1st orbit by the factor of..... 9 3 2 4