

PHYSICS

Fill in the blanks.

1. The mass of a proton is times the mass of an electron.
a. $1/1836$ b. 1836 c. 1.67×10^{-27} d. 1800
2. Radio waves travel through air at a speed of m/s
a. 3×10^{12} b. 3×10^{11} c. 3×10^{11} d. 3×10^8
3. The penetrating power of γ – rays is times larger than that of β – rays:
a. 2 b. 100 c. 50 d. 4
4. The property of sound by which a shrill sound is distinguished from a flate or grave one is called.
a. Quality b. Loudness c. Intensityd. Pitch
5. The speed of sound in air is than a man's voice.
a. 1450 b. 1480 c. 330 d. 5130
6. A woman's voice is of higher than a man's voice.
a. Velocity b. Frequency c. Wave Length d. Amplitude
7. Charge carriers in n-type material are
a. Electrons b. Lons c. Protons d. Holes
8. Temporary Magnet is used in
a. Telephone b. Transistor c. Electric bell d. Watch
9. A conducting material has enormous number of
a. Proton b. Neutron c. a-particle d. Electron
10. Fax machine converts a document into
a. Electrical signals b. Radio Wavesc. Light Signals d. Magnetic waves
11. The unit of frequency is
a. Seconds b. Decibel c. Pascal d. Hertz
12. is necessary for propagation of sound.
a. Force b. Vacuum c. Medium d. Amplitude
13. A current measuring instruments is called
a. Voltmeter b. galvanometer c. ammeter d. Speed metre
14. When α particle passes through a gas it produces
a. Oxidation b. Ionization c. Evaporation d. Fission
15. The information stored on CD can be read by using
a. X-rays b. α - rays c. Laser rays d. γ - rays
16. The ratio of the size of image to the size of the object is called
a. Focal Length b. Aperture c. Magnification d. Principal axis
17. The intensity of sound is expressed in the units of
a. Watt/m² b. Newton /m² c. Joule/Sec d. Decibel
18. Focal length of a spherical mirror is the radius of its curvature
a. Twice b. Thrice c. Half d. $1/4$
19. The mass of an electron in kg is
a. 9.1×10^{-31} b. 1.67×10^{-27} c. 6.02×10^{-23} d. 6×10^{24}
20. Which lens is used to form a real image?
a. Convex b. Concave c. Plane d. None of these
21. Rainbow is formed due to Reflection of light.
a. Total internal b. Irregularc. Regular d. Total external
22. The unit of capacitance is
a. Ohm b. Coulomb c. Farad d. Electron volt
23. The angle between rectangular components of a vector is
a. 0° b. 30° c. 60° d. 90°
24. A TV camera and a Microphone convert moving pictures and sound into
a. Radio waves b. Light signals c. Radar signals d. Electrical signals
25. The energy of SHO at extreme position is
a. K.E b. P.E c. Zero d. K.E & P.E