

## Important Physics Questions

S.No.	Question
1.	Who firstly demonstrated experimentally the existence of electromagnetic wave?
2.	The working of the quartz crystal in the watch is based on which effect?
3.	What is the unit of Radioactivity?
4.	What is the wavelength of visible spectrum?
5.	One astronomical unit is the average distance between ___?
6.	Number of basic S.I. units is ___.
7.	What is the name of the scientist who stated that matter can be converted into energy?
8.	The size of atomic nucleus is of the order of ___?
9.	A temperature at which both the Fahrenheit and the centigrade scales have the same value?
10.	In the visible spectrum which colour has the shortest wavelength?
11.	What is the unit of specific resistance?
12.	What do we use as a moderator in nuclear reactor?
13.	The mirror used in motor vehicles near the driver's seat is a ___?
14.	Electron microscope was invented by ___?
15.	The hydraulic brake used in automobiles is a direct application of ___?
16.	The filament of an electric bulb is made of which metal?
17.	Lamberts Law is related to ___?
18.	Which waves are used in sonography?
19.	Which instrument is used to measure the power of electric circuit ?
20.	Splitting of Uranium nucleus releases which energy.
21.	Kilowatt hour is the unit of ___?
22.	A simple device that is used to either break or complete the electric circuit, is called _____?
23.	Where the value of 'g' (acceleration due to gravity) is maximum?
24.	Good conductors have many loosely bound ___?
25.	If the body is hollow, then its centre of gravity lies?
26.	A man with a dark skin, in comparison with a man with a white skin, experiences ___?
27.	What is the escape velocity for all objects from the earth?
28.	If the temperature inside a room is increased, the relative humidity will?
29.	If a bar magnet is cut length wise into 3 parts, what will the total number of poles be?
30.	Light travels in a _____?
31.	What converts the alternating current into direct current?
32.	Einstein got noble prize for _____?
33.	The nucleus of an atom consists of ___?
34.	What is the measuring unit of length of light waves?
35.	How much is one barrel of oil approximately equal to?
36.	The sky appears black from the moon because of _____?
37.	The specific resistance of a wire varies with its _____?
38.	Which instrument is used to measure depth of ocean ?
39.	The unidirectional property of a pn-junction is useful for its use as which thing?
40.	The strongest force in the nature is _____?
41.	Which is the only natural magnet?
42.	We cannot see during a fog, because of _____.
43.	In which medium sound travels faster ?
44.	A fast wind can turn the blades of a windmill because it possesses ____.
45.	Which material is used for electric wire heater?
46.	Conversion of chemical energy into electrical energy occurs in which thing?
47.	The direction of a magnetic field within a magnet is _____?
48.	What remains constant while throwing a ball upward?
49.	What type of lens is a magnifying glass?
50.	Why does a liquid drop tend to assume a spherical shape?
51.	What happens when soda water bottle falls freely?

52.	Pure water freezes at what temperature?
53.	Why are Metals good conductor of heat than insulator?
54.	When some detergent is added to water, the surface tension ___?
55.	The value of which quantity remains same in all system of units?
56.	Distance of stars are measured in ___?
57.	Nature of sound wave is ___?
58.	Which is used to initiate fissions ?
59.	The total internal reflection can occur when light pass from ___.
60.	Who discovered Diode Bulb ?
61.	Radio waves of constant amplitude can be generated with ___?
62.	What is the SI unit of luminous intensity?
63.	What is the name of short duration wave?
64.	The absorption of ink by blotting paper involves ___?
65.	Two drops of a liquid are merged to form a single drop. In this process ___?
66.	Which is more elastic - Steel or Rubber?
67.	An atom bomb is based on the principle of ___?
68.	Which instrument is used to measure the scattering of light by particles suspended in a liquid ?
69.	The speed of light with the rise in the temperature of the medium ___?
70.	Most commercial nuclear power plants worldwide are cooled by ___?
71.	Electric Motor converts ___?
72.	Nuclear sizes are expressed in a unit named ___?
73.	Weightlessness experienced in a spaceship is due to ___?
74.	The blue colour of the clear sky is due to ___?
75.	What does airbag, used for safety of car driver, contain?
76.	Radian is used to measure ___?
77.	Who had showed that the electric and magnetic waves are equal in vacuum?
78.	When a red glass is heated in dark room it will seem ___.
79.	The friction force exerted by fluids is called ___.
80.	Which is used in designing ships and submarines?
81.	Which instrument is used to measure change in volume of substances ?
82.	On which principle , transformer works?
83.	Potential energy of your body is minimum when you _____.
84.	The velocity of sound in air ___?
85.	Beats occur because of ___?
86.	In summer, the mirages are seen due to the phenomenon of ___?
87.	Who gave the first experimental value of G?
88.	Astigmatism can be corrected by ___?
89.	What apparatus is used to locate a submerged object?
90.	The image formed by convex lens in a simple microscope is ___.
91.	What is the unit of magnetic flux?
92.	Coolis tube is used to produce ___?
93.	Sudden fall in barometer is indication of ___?
94.	Force of attraction between the molecules of different substances is called ___?
95.	What is the working principle of Washing machine?
96.	Insects can move on the surface of water without sinking due to ___.
97.	The temperature of the sun is measured with ___.
98.	Acceleration acts always in the direction ___?
99.	Which instrument is used to measure altitudes in aircrafts ?
100.	Which law states that within the elastic limit, the stress is directly proportional to the strain

## Important Physics Questions

S.No.	Question	Answer
1.	Who firstly demonstrated experimentally the existence of electromagnetic wave?	Hertz
2.	The working of the quartz crystal in the watch is based on which effect?	Piezoelectric Effect
3.	What is the unit of Radioactivity?	Curie
4.	What is the wavelength of visible spectrum?	390-700 nanometres
5.	One astronomical unit is the average distance between ___?	Earth & Sun
6.	Number of basic S.I. units is ___.	Seven (7)
7.	What is the name of the scientist who stated that matter can be converted into energy?	Einstein
8.	The size of atomic nucleus is of the order of ___?	$10^{-14}$ m
9.	A temperature at which both the Fahrenheit and the centigrade scales have the same value?	$-40^{\circ}$
10.	In the visible spectrum which colour has the shortest wavelength?	Violet
11.	What is the unit of specific resistance?	Ohm-metre
12.	What do we use as a moderator in nuclear reactor?	Heavy water, Solid Graphite
13.	The mirror used in motor vehicles near the driver's seat is a ___?	Convex Mirror
14.	Electron microscope was invented by ___?	Robert Koch
15.	The hydraulic brake used in automobiles is a direct application of ___?	Pascal's Law
16.	The filament of an electric bulb is made of which metal?	Tungsten
17.	Lambert's Law is related to ___?	Interference
18.	Which waves are used in sonography?	Ultrasonic waves
19.	Which instrument is used to measure the power of electric circuit?	Wattmeter
20.	Splitting of Uranium nucleus releases _____ energy.	Nuclear
21.	kilowatt hour is the unit of ___?	Energy
22.	A simple device that is used to either break or complete the electric circuit, is called _____?	Switch
23.	Where the value of 'g' (acceleration due to gravity) is maximum?	At poles
24.	Good conductors have many loosely bound ___?	Electrons
25.	If the body is hollow, then its centre of gravity lies?	outside the material
26.	A man with a dark skin, in comparison with a man with a white skin, experiences ___?	Less heat, Less cold
27.	What is the escape velocity for all objects from the earth?	11.16 km/sec
28.	If the temperature inside a room is increased, the relative humidity will?	Decrease
29.	If a bar magnet is cut length wise into 3 parts, what will the total number of poles be?	6
30.	Light travels in a ___?	Straight line
31.	What converts the alternating current into direct current?	Rectifier
32.	Einstein got noble prize for ___?	Photoelectric Effect
33.	The nucleus of an atom consists of ___?	Neutrons and protons
34.	What is the measuring unit of length of light waves?	Angstrom
35.	How much is one barrel of oil approximately equal to?	159 litres
36.	The sky appears black from the moon because of ___?	Lack of Atmosphere
37.	The specific resistance of a wire varies with its ___?	Material
38.	Which instrument is used to measure depth of ocean?	Fathometer
39.	The unidirectional property of a pn-junction is useful for its use as which thing?	Rectifier
40.	The strongest force in the nature is ___?	Nuclear Force
41.	Which is the only natural magnet?	Magnetite
42.	We cannot see during a fog, because of ____.	Scattering of light
43.	In which medium sound travels faster?	Solid
44.	A fast wind can turn the blades of a windmill because it possesses ____.	Potential Energy
45.	Which of the following material is used for electric wire heater?	Nichrome

46.	Conversion of chemical energy into electrical energy occurs in which thing?	Battery
47.	The direction of a magnetic field within a magnet is ___?	From South to north
48.	What remains constant while throwing a ball upward?	Acceleration
49.	What type of lens is a magnifying glass?	Convex lens
50.	Why does a liquid drop tend to assume a spherical shape?	To minimize surface tension
51.	What happens when soda water bottle falls freely?	No bubbles form
52.	Pure water freezes at what temperature?	32 F
53.	Why are Metals good conductor of heat than insulator?	they contain free electrons
54.	When some detergent is added to water, the surface tension ___?	Decreases
55.	The value of which quantity remains same in all system of units?	Specific Gravity
56.	Distance of stars are measured in ___?	Light Years
57.	Nature of sound wave is ___?	Longitudinal
58.	Which is used to initiate fissions ?	Neutrons
59.	The total internal reflection can occur when light pass from ___.	Denser to Rarer medium
60.	Who discovered Diode Bulb ?	Sir J. S. Fleming
61.	Radio waves of constant amplitude can be generated with ___?	Oscillator
62.	What is the SI unit of luminous intensity?	Candela
63.	What is the name of short duration wave?	Pulse
64.	The absorption of ink by blotting paper involves ___?	Capillary Action
65.	Two drops of a liquid are merged to form a single drop. In this process ___?	Energy is released
66.	Which is more elastic - Steel or Rubber?	Steel
67.	An atom bomb is based on the principle of ___?	Nuclear Fission
68.	Which instrument is used to measure the scattering of light by particles suspended in a liquid ?	Nephelometer
69.	The speed of light with the rise in the temperature of the medium ___?	Remains unaltered
70.	Most commercial nuclear power plants worldwide are cooled by ___?	Water
71.	Electric Motor converts ___?	Electric energy to mechanical energy
72.	Nuclear sizes are expressed in a unit named ___?	Fermi
73.	Weightlessness experienced in a spaceship is due to ___?	Absence of Gravity
74.	The blue colour of the clear sky is due to ___?	Dispersion of Light
75.	What does airbag, used for safety of car driver, contain?	Sodium Azide
76.	Radian is used to measure ___?	Angle
77.	Who had showed that the electric and magnetic waves are equal in vacuum?	James Clerk Maxwell
78.	When a red glass is heated in dark room it will seem ___.	Green
79.	The friction force exerted by fluids is called ___.	Drag
80.	Which is used in designing ships and submarines?	Archimedes Principle
81.	Which instrument is used to measure change in volume of substances ?	Dilatometer
82.	On which principle , transformer works?	Mutual Induction
83.	Potential energy of your body is minimum when you _____.	Lie down on ground
84.	The velocity of sound in air ___?	332m/sec
85.	Beats occur because of ___?	Interference
86.	In summer, the mirages are seen due to the phenomenon of ___?	Total Internal Reflection
87.	Who gave the first experimental value of G?	Cavendish
88.	Astigmatism can be corrected by ___?	Cylindrical lenses
89.	What apparatus is used to locate a submerged object?	SONAR
90.	The image formed by convex lens in a simple microscope is ___.	Virtual & Erect
91.	What is the unit of magnetic flux?	Maxwell
92.	Coolis tube is used to produce ___?	X-Rays
93.	Sudden fall in barometer is indication of ___?	Storm
94.	Force of attraction between the molecules of different substances is called ___?	Adhesive Force
95.	What is the working principle of Washing machine?	Centrifugation
96.	Insects can move on the surface of water without sinking due to ___.	Surface tension of water
97.	The temperature of the sun is measured with ___.	Pyrometer
98.	Acceleration acts always in the direction ___?	of the net force
99.	Which instrument is used to measure altitudes in aircrafts ?	Altimeter

100	Which law states that within the elastic limit, the stress is directly proportional to the strain	Hook's Law
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