

PPSC Physics Chapter 8 Scientists, Their Inventions and discoveries

Sr	Questions	Answers Choice
1	Neil Bohr made his three postulates in.	A. 1897 B. 1905 C. 1913 D. 1921
2	Max. Planck was awarded Nobel prize in.	A. 1916 B. 1918 C. 1921 D. 1923
3	Who provided theoretical explanation of a blackbody spectrum.	A. Einstein B. Planck C. Wien D. stefan
4	The scientist who first noted that a compass needle was deflected when in the neighborhood of a current carrying wire was.	A. Joseph Henry B. Hans Christian Oersted C. Michael Faraday D. J.J. Thomson
5	Which Muslim Scientist is regarded as father of optics.	A. Ibn al Haithem B. Al khawarizmi C. Nasir al Din Al tusi D. Ibn Musa al khawarizmi
6	Who was the author of Mathematical principles of Natural philosophy.	A. Kepler B. Einstein C. Max Planck D. Newton
7	The law of motion and gravitation were introduced by.,	A. Albert Einstein B. Issac Newton C. Galileo D. Archimedes
8	Who was awarded Nobel Prize for fist artificial atomic transmutation.	A. Yukawa B. Rutherford C. Chadwick D. Becquerel
9	The concept of entropy was introduced by	A. Saadi Carnot B. Boyle C. Charles D. Rudolph Celsius
10	Davison and Germer received the Nobel Prize in	A. 1929 B. 1931 C. 1935 D. 1937
11	Who was awarded Nobel Prize for predicting meson.	A. Yukawa B. Pauli C. Schrodinger D. Fermi
12	who discovered taht mass and energy are forms of each other.	A. Issac Newton B. Albert Einstein C. Galileo D. Khawarizmi
13	The first super conductor was discovered in.	A. 1905 B. 1911 C. 1917 D. 1923
14	The first measurement of the force between electric charges was made in.	A. 1684 B. 1784 C. 1864 D. 1874
15	Who proposed the temperature equalization mechanism of a body by thermal radiations with that of its surroundings.	A. Pierre Provost B. Robert Brown C. Albert Einstein D. Issac Newton

16	Lenz's presented his law is	A. 1826 B. 1829 C. 1834 D. 1839
17	Who first studied the visible region of hydrogen spectrum.	A. Lyman B. Pfund C. Balmer D. Brackett
18	The first book of physics was written by	A. Maxwell B. Newton C. Aristotle D. Faraday
19	Who originated the idea of heat death of the universe is 1852	A. Lord Kelvin B. James Thomson C. John Thomson D. Saadi Carnot
20	The circumference of earth was measured by	A. Alberuni B. Alkundi C. Ibn al haithem D. Issac Newton
21	Who discovered a relation between electric and magnetic field.	A. Hans Christian Oersted B. Michelson Faraday C. Lenz D. Hertz
22	Arthur Holly Compton was awarded Nobel prize in.	A. 1923 B. 1927 C. 1931 D. 1934
23	The first super conductor was discovered by	A. Faraday B. Lenz C. Kamaerlingh Ornes D. Oersted
24	Polaroid's were invented in	A. 1787 B. 1887 C. 1897 D. 1929
25	Who discovered neutron in 1932.	A. Chadwick B. Bohr C. Rutherford D. Fermi
26	Abu abdullah ibn Jabir Al battani was the greatest	A. Philosopher B. Mathematician C. Astronomer D. Palmist
27	Photophone was invented by	A. Graham bell B. Galileo C. Michelson D. Faraday
28	The nuclear model of the atom was derived partly from experiments involving the scattering of alpha particles performed by.	A. Chadwick B. Rutherford C. Anderson D. Einstein
29	The corpuscular nature of light was given by	A. Huygen B. Maxwell C. Newton D. Thomas Young
30	The law of gravitation was introduced by	A. Huygen B. Boyle C. Newton D. Pascal
31	Prince Louis and vector de Brogtle got Nobel Prize for their work on.	A. The dual nature of particles B. The wave nature of particles C. the corpuscular nature of particles D. All of the above
32	Who is generally credited with the invention of first optical microscope.	A. Hans Lippersherly B. Glavanni faber C. Galileo D. issac Newton
33	Magnetic effect of current was discovered by	A. Faraday B. Fleming C. Oersted

		<p>C. Volt</p> <p>D. Ampere</p>
34	The law of inertia was first time formulated by	<p>A. Galileo</p> <p>B. Newton</p> <p>C. Kepler</p> <p>D. Planck</p>
35	Who studied freely falling bodies using modern scientific method.	<p>A. Galileo</p> <p>B. Issac newton</p> <p>C. Abert Einstein</p> <p>D. Alkundi</p>
36	What invention is generally referred to as the first capacitor.	<p>A. Mason Jar</p> <p>B. Kleist Jar</p> <p>C. Layden Jar</p> <p>D. Ohm Jar</p>
37	Who proposed the thermodynamic scale of temperature.	<p>A. Saadi carnot</p> <p>B. Lord Kelvin</p> <p>C. Sir james dewar</p> <p>D. Gabriel fahrenheit</p>
38	When did an international committee agree on a set of definition of units.	<p>A. 1912</p> <p>B. 1956</p> <p>C. 1960</p> <p>D. 1986</p>
39	Some concept of static electricity were introduced by.	<p>A. Chinese</p> <p>B. Plato</p> <p>C. Thales</p> <p>D. Archimedes</p>
40	Who proposed that light energy travels in space by means of wave motion.	<p>A. Maxwell</p> <p>B. Planck</p> <p>C. De-Broglie</p> <p>D. Huygen</p>
41	Geiger counter was designed by	<p>A. Wilson</p> <p>B. Geiger and Muller</p> <p>C. Lawrence</p> <p>D. Mosely</p>
42	The three law of motion first published in 1687 by Sir Issac Newton in his work.	<p>A. Method of Fluxions</p> <p>B. Optics</p> <p>C. Principal Mathematica</p> <p>D. Arithmetic Universalism</p>
43	Who explained the Fraunhofer lines in the spectrum of solar radiations.	<p>A. Wein</p> <p>B. Stefan</p> <p>C. Fraunhofer</p> <p>D. Kirchoff</p>
44	Faraday's law was deduced in	<p>A. 1826</p> <p>B. 1831</p> <p>C. 1836</p> <p>D. 1841</p>
45	Who discovered a phenomenon of thermos electricity.	<p>A. Peltier</p> <p>B. Joule</p> <p>C. Seeback</p> <p>D. thomson</p>
46	Natural radioactivity was discovered in.	<p>A. 1978</p> <p>B. 1896</p> <p>C. 1904</p> <p>D. 1906</p>
47	Balmer identified the spectral lines in the spectrum of hydrogen in	<p>A. 1785</p> <p>B. 1885</p> <p>C. 1936</p> <p>D. 1966</p>
48	Who developed the first atomic reactor.	<p>A. Bohr</p> <p>B. Fermi</p> <p>C. Rutherford</p> <p>D. Taylor</p>
49	Commutator was invented in	<p>A. 1820</p> <p>B. 1830</p> <p>C. 1834</p> <p>D. 1840</p>
50	When did max planck suggest that energy is released or absorbed in discrete packets.	<p>A. 1899</p> <p>B. 1900</p> <p>C. 1905</p> <p>D. 1911</p>

A. Gabried Fahrenheit

51	Who invented the first closed tube thermometer in 1713	B. Galileo C. anders Celsius D. Lord Kelvin
52	The exitance of antiparticle was discovered by	A. Wilson B. Anderson C. Dirac D. Stefen
53	The first artificially produced nuclear transmutation was accomplished by.	A. Curie B. Rutherford C. Becquerel D. Chadwick
54	The temperature scale based upon triple point of water was given by	A. Rumford B. Carnot C. Kelvin D. Celsius
55	Who introduced the concept that an atom posses quantized energy levels.	A. Raman B. Bohr C. Newton D. Fermi
56	Who described an ideal heat engine in 1840	A. Boyle B. Saadi Carnot C. Kelvin D. Currie
57	Who developed hypothetical heat engine that has the maximum possible efficiency in 1824	A. Saadi carnot B. August Otto C. rudolf Diesel D. Kari Benz
58	Who wrote books on sound and music.	A. Galileo B. Alkundi C. Alberuni D. Ibn al Haithem
59	Compton's effect was presented in.	A. 1921 B. 1923 C. 1931 D. 1933
60	Who explained Browian movement quantitatively.	A. Issac Newton B. albert Einstein C. James Maxewll D. Robert Brown
61	Positron was discovered by	A. Wilson B. Anderson C. Dirac D. Stefan
62	Who designed the atomic reactor.	A. Wilson B. Rutherford C. Teller D. Fermi
63	Which of the following pair is correct.	A. Rutherford - x-rays B. Roentgen - Electron C. Chadwick - Neutron D. J.J. Thomson -Photon
64	Who was the most outstanding theoretical physicist.	A. Daniel B. Maxwell C. Ampere D. Young
65	Davision and Germer got Nobel prize for their work on	A. The dual nature of particles B. The wave nature of particles C. The corpuscular nature of particles D. All of the above
66	Lenz's was a physicist of.	A. America B. Russia C. Japan D. China
67	Prince Louis and Vector de broglie received the Nobel prize in.	A. 1919 B. 1923 C. 1927 D. 1929
68	Wave mechanics was introduced by	A. G.P. Thomson B. De-Broglie C. Heisenberg D. Max Planck

69	Interference effects of light were verified by	A. Thomas Young B. Newton C. Bragg D. Huygen
70	Who gave the idea of matter wave.	A. De Broglie B. Planck C. Einstein D. Huygen
71	Prof. Abdul Salam was awarded Nobel prize in	A. 1970 B. 1972 C. 1979 D. 1983
72	The wave nature of light was proposed by	A. Thomas Young B. Fresnel C. Maxwell D. Huygen
73	Artificial radioactivity was discovered by	A. Rontgen B. Becquerel C. Rutherford D. Marie Curie and Pierre Curie
74	The first demonstration of wave nature of light was provided in 1801 by the experiment of	A. Huygen B. Thomas Young C. Fresnel D. Maxwell
75	Who studied the change in velocity with the help of geometry for the first time.	A. Nicole Oresme B. Galileo C. Alberuni D. Ibn al haithem
76	Every point on any wave front can be considered as a new source of waves This statement is known as.	A. Huygen's wave theory B. Michelson's wave theory C. Rayleigh's effect D. Rayleigh's wave theory
77	Who was the first to suggest the existence of a positively charged nucleus in an atom.	A. J.J Thomson B. R.A Millikan C. E. Rutherford D. Neil Bohr
78	Which of the following scientists is known for his exceptional work in the field of optics.	A. Albert Einstein B. Issac Newton C. Ibn al Haithem D. Alberuni
79	The relation between work function and maximum energy of photo electrons was discovered by.	A. Stefan B. Marely C. Einstein D. Max. Planck
80	J.R. Rydberg Obtained a formula to describe the wavelength of the hydrogen atom in	A. 1785 B. 1885 C. 1936 D. 1966
81	Which one of the following scientists got Nobel prize due to his work of combining two basic forces of nature.	A. Dr. Abdul Qadeer Khan B. Dr. Abdul Salam C. Dr. Muhammad Ishaq D. Dr. Mubarak Mond
82	The special theory of relativity was presented by	A. Albert Einstein B. Newton C. Maxwell D. Planck
83	Young's double slit experiment was performed in	A. 1801 B. 1916 C. 1901 D. 1934
84	The special theory of relativity was presented in .	A. 1905 B. 1909 C. 1911 D. 1919
85	The first successful quantitative theory of atomic structure was formulated by	A. David Bohm B. Louis de Broglie C. Neil Bohr D. J.J. Thomson
86	The study of atomic structure of crystals by x rays was initiated by.	A. Mosely B. Young C. Huygen

		C. Huygen D. Bragg
87	Who identified the first series in the spectrum of hydrogen.	A. Lyman B. Balmer C. Pfund D. Brackett
88	Who developed the world's first vacuum pump in 1650.	A. Otto von Guericke B. Lord Kelvin C. Saadi Carnot D. James Maxwell
89	The phenomenon of natural radioactivity was discovered by	A. Lord Rutherford B. James Chadwick C. H. Becquerel D. Marie Curie
90	Who first discovered a similarity in nature of x rays and light rays.	A. Roentgen B. Bragg C. Max von Laue D. Moseley
91	The convincing evidence of the wave nature of electrons was provided by.	A. Stefan B. Rayleigh C. Davisson and Germer D. Balmer
92	Who pointed out that both wave and particle aspects are required for the complete description of both radiation and matter.	A. Davisson and Germer B. J.J. Thomson C. Niels Bohr D. Compton
93	Wave theory of light was proposed by	A. Newton B. Thomas Young C. Maxwell D. Huygen
94	Who invented commutator.	A. William Sturgeon B. William Smith C. Michael Faraday D. Mosely
95	The special theory of relativity was presented in 1905 by	A. Young B. Planck C. Schrodinger D. Einstein
96	The discovery of interference of light was made possible in.	A. 1801 B. 1901 C. 1825 D. 1925
97	Who introduced the concept that an atom possesses quantized energy levels.	A. Fermi B. Newton C. Bohr D. Einstein
98	Which Italian inventor is credited with describing and sketching the first ideas for contact lens in 1508	A. Galileo B. Leonardo da Vinci C. Roger Bacon D. Hans Lippershey
99	Light travels perpendicular to electric and magnetic fields and requires no material medium, was proposed by.	A. Einstein B. Max Planck C. Maxwell D. Bragg
100	The cloud chamber was invented by C.T.R. Wilson in	A. 1905 B. 1907 C. 1909 D. 1911
101	Who devised a technique for the measurement of charge on an electron in 1909	A. Millikan B. Joule C. Ampere D. Ohm
102	Which scientist announced for the first time that the universe is expanding.	A. Einstein B. Newton C. Edwin Hubble D. Karl Marx
103	Who measured the intensity of emitted energy with wavelength radiated from a blackbody at different temperature.	A. Lummer B. Pringsheim C. Stefan D. Both A and C
		A. Max Planck B. Stefan

104	Who suggested that energy is radiated or absorbed in discrete packets called quanta.	B. Stefan C. Lummer D. Boltzmann
105	The velocity of light was determined accurately by	A. Newton B. Huygen C. Michelson D. Young
106	Which Russian Physicist first proposed the liquid drop model for the nucleus in 1928	A. Niels Bohr B. George Gamow C. Niel Armstrong D. Bill Clinton
107	The diffraction of light was discovered by	A. Newton B. Young C. Francesco Grimaldi D. Hertz
108	A relationship between mechanical work and heat energy was firstly established by.	A. Davy B. Count Rumford C. Joule D. Kelvin
109	Electromagnetic wave theory was proposed by	A. Maxwell B. Hertz C. Fizeau D. Huygen
110	Michelson's interferometer was devised in.	A. 1801 B. 1825 C. 1867 D. 1881
111	who gave the law of equipartition.	A. Maxwell B. Carnot C. Clausius D. Boltzmann
112	A new class of ceramics materials was discovered in.	A. 1938 B. 1958 C. 1978 D. 1986
113	Who discovered the exclusion principle which states that no two electrons can occupy the same quantum mechanical state in a given system.	A. Niels Bohr B. Issac Newton C. Wolfgang Pauli D. Max Planck
114	Which scientist coined the term quantum mechanics.	A. Kari mark B. Max Born C. Erwin schrodinger D. Issac Newton