

PPSC Physics Mcq's For Full Book

Sr	Questions	Answers Choice
1	Which vector gives the displacement from one point to another in space.	A. Position vector B. Unit vector C. Null vector D. Distance vector
2	An instrument used to find the direction of the earth's magnetic field is known as.	A. Magnetometer B. Electroscope C. Cyclotron D. Particle accelerator
3	The erecting lens of a telescope produces	A. A shorter instrument B. wider field of view C. A larger image D. A sharp image
4	What will be the sound speed if the frequency is doubled.	A. zero B. Half C. Double D. Unchanged
5	Any frequency higher than the fundamental frequency of a sound is known as.	A. Overtone B. Beat C. Acoustics D. Shockwaves
6	Absolute P.E. of a body can be calculated	A. At centre of the earth B. Below centre of the earth C. From surface of the earth D. Below surface of the earth
7	Neil Bohr made his three postulates in.	A. 1897 B. 1905 C. 1913 D. 1921
8	The centre of gravity of a body is	A. The centre of the body B. The point at the mass of the body acts C. The point at which the whole weight of the body acts D. The point of rotation
9	One becquerel is equal to	A. Decay of one radioactive atoms per second B. Decay of 10 radioactive atoms per second C. Decay of 100 radioactive atoms per second D. Decay of infinity radioactive atoms per second.
10	A mass accelerates uniformly when the resulting force acting on it.	A. is zero B. Is constant but not zero C. Increases uniformly w.r.t time D. Is proportional to the displacement of the mass from a fixed point
11	Inductance are measured in	A. Coulombs B. Volts C. Henrys D. Farads
12	Efficiency of a half wave rectifier is.	A. Almost negligible B. More than full wave rectifier C. Less than full wave rectifier D. Equal to full wave rectifier
13	The ability's of convex lens to produce convergence in a parallel beam is called its.	A. Magnification B. Focal length C. Power D. Strength
14	When a current of 2 A flows for 5 s through a lamp 120 W of power are used. How much charge flows through the lamp.	A. 10 C B. 12 C C. 24 C

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- 15 The ration $C_V/C_P = y$ for a diatomic gas like air is
- A. 1.29
B. 1.30
C. 1.40
D. 1.67
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- 16 The appearance of colures in their film is due to
- A. Diffraction
B. Dispersion
C. Interference
D. Polarization
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- 17 If D_1 and D_2 are the powers of two lenses placed in contact then the power of the combination will be.
- A. D_1+D_2**
B. D_1-D_2
C. D_1/D_2
D. $D_1 \times D_2$
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- 18 A freshly made sample of radioactive material gives a count rate of 8,000 counts per minute. After twenty days it gives a count rate of 500 counts per minute. What is the half life of the materials.
- A. 5 days**
B. 10 days
C. 40 days
D. 20 days
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- 19 Which of the following factors determines the resolving power of an instrument.
- A. magnification**
B. Total length of objective
C. Diameter of objective
D. Refractive index of objective
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- 20 If a liquid does not wet a solid surface, the angle of contact is.
- A. Less than 90°
B. Greater than 180°
C. 90°
D. Between 90° and 180°
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