# PPSC Physics Mcq's For Full Book

| Sr | Questions | Answers Choice |
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| 1 | Why does a glass plate inside a colorless liquid become invisible | A. The colours of both are same<br>B. The densities of both are same<br>C. Their refractive indices are same<br>D. Their refractive indices are different |
| 2 | The half life of a radioactive substance depend on. | A. Pressure<br>B. Temperature<br>C. Amount of substance<br>D. No external influences |
| 3 | Mean free path in a gas is the | A. Distance travelled by a molecule before hitting a wall<br>B. Average distance travelled by a molecule in one second<br>C. Average distance travelled between molecules between any two successive collisions<br>D. Root mean square velocity |
| 4 | A pendulum vibrates with a time period of 1 s which range of sound is produced by it | A. Audible<br>B. Infrasonic<br>C. Ultrasonci<br>D. Super sonic |
| 5 | Who was the first to suggest the existence of a positively charged nucleus in an atom. | A. J.J Thomson<br>B. R.A Millikan<br>C. E.Rutherford<br>D. Neil Bohr |
| 6 | A piece of weighed wood just floats in water when placed in alcohol will | A. Float lower<br>B. Float higher<br>C. Stay as before<br>D. Sink |
| 7 | Two light waves which are not coherent cannot produce. | A. Interference<br>B. Diffraction<br>C. Reflection<br>D. Dispersion |
| 8 | Which principle is in effect when a ship displaces ocean water. | A. Bernouli's<br>B. Pascal's<br>C. Hook's<br>D. Archimedes |
| 9 | What is the quantitative description of the effect of radiation on the living tissue. | A. Radiation dosimetry<br>B. Radioactive dating<br>C. Telemetry<br>D. Dosage |
| 10 | What is the value of earth's magnetics fields. | A. 5 G<br>B. 50 G<br>C. 100 G<br>D. 500 G |
| 11 | Which one is the primary standard for temperature measurement. | A. Resistance thermometer<br>B. Mercury in glass thermometer<br>C. Constant volume gas thermometer<br>D. Pyrometer |
| 12 | The force exerted by two charged bodies on another obeys Coulomb's law provided that | A. Both bodies are in the same medium<br>B. the charges are not too great<br>C. On body does not lie inside the other<br>D. The linear dimensions of the body are very much less than the distance between the bodies. |
| 13 | the depth of a pond is 4 m What is the apparent depth of the pond if the water level is 3.5 m high. The refractive index of water is 1.33 | A. 1.9 m<br>B. 2.3 m<br>C. 3.13 m<br>D. 4.5 m |
| | | A. More |

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| 14 | The sound velocity in moist air as compared to dry air will be | B. Less<br>C. Same<br>D. zero |
| 15 | The Compton effect in X-rays proves that | A. Electrons have wave property<br>B. x-rays have wave properly<br>C. X-rays have particle characteristics<br>D. Electrons cannot exist |
| 16 | Which electrical component may be used to store electrical energy in a time delay circuit | A. Capacitor<br>B. Light dependent resistor<br>C. Resistor<br>D. Thermistor |
| 17 | Magnetic moment is a | A. Scalar<br>B. Vector<br>C. Phasor<br>D. Tensor |
| 18 | In a compound microscope magnification will be large if focal length of eyepiece is | A. Large<br>B. small<br>C. Equal to that of the objective<br>D. Larger than that of the objective |
| 19 | What is the degree of magnetization of a material. | A. Susceptibility<br>B. Ablitity<br>C. Retentivity<br>D. Capacity |
| 20 | The relation between horse power and watt is. | A. 1 hp = 546 watts<br>B. 1 hp = 746 watts<br>C. 1 hp = 946 watts<br>D. 1 hp = 1000 watts |