

PPSC Physics Mcq's For Full Book

| Sr | Questions | Answers Choice |
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| 1 | Mass -energy relation means that the product of mass times the square of the speed of light must be equal to. | A. Torque B. Momentum C. Energy D. Impulse |
| 2 | Such an inductor coil which does not consume energy and is often employed for controlling A.C. without consumption of energy is called. | A. Reactance B. Choke C. Impedence D. Diode |
| 3 | The half life of isotopes X is four days and its initial mass is 32 mg What mass of the isotope X will remain after twelve days. | A. 2 mg B. 4 mg C. 8 mg D. 18 mg |
| 4 | Which of the following gives discrete emission spectrum. | A. Sun B. Candle C. Incandescent filament D. Mercury vapour lamp |
| 5 | Why danger signals are made red. | A. Our eyes are more sensitive to real colour B. Red colour has minimum scattering C. Red colour has maximum scattering D. Red colour has maximum frequency |
| 6 | The blooming of the image due to dispersion in lenses is called. | A. spherical aberration B. Chromatic aberration C. Astigmatism D. Curvature of image field |
| 7 | In a R-L-C series circuit, when the frequency of A.C. source is high the circuit is. | A. R-L Circuit B. R-C circuit C. L-C circuit D. R-L or R-C |
| 8 | The average K.E. of the molecules of an ideal gas in a closed rigid container is increased by a factor of 4 What happen to the pressure of the gas. | A. It remains the same B. It increases by a factor of 2 C. It increases by a factor of 4 D. It increases by a factor of 8 |
| 9 | A 10 kg rocket fragment falling towards the earth has a net downward acceleration of 5 ms ⁻² The net downward force acting on the fragment is | A. 5 N B. 10 N C. 50 N D. 105 N |
| 10 | The special theory of relativity was presented in . | A. 1905 B. 1909 C. 1911 D. 1919 |
| 11 | Which Isotopes is use din radioactive dating. | A. C ¹² B. C ¹³ C. C ¹⁴ D. C ¹⁶ |
| 12 | An emitter follower has | A. High input impedance and high output impedance B. High input impedance and low output impedance C. Low input impedance and low output impedance D. Low input impedance and high output impedance |
| 13 | What do we study by crystallography. | A. The analysis of X ray spectra of elements and study of crystal structure. B. Visible spectra of sources and crystal study C. Ultraviolet spectra of sources and crystal study D. Infrared spectra of sources and crystal study |

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| 14 | What happens to internal energy of a piece of lead when hammered. | A. Increases B. Decreases C. Remains unchanged D. Becomes zero |
| 15 | In potential for the material of cathode pure metals are rarely used because of their | A. Low reflecting power B. High reflecting power C. Low resolving power D. High resolving power |
| 16 | The dimensions of stress are | A. [MLT ⁻¹] B. [ML ⁻¹ T] C. [ML ⁻¹ T ⁻¹] D. [ML ⁻¹ T ⁻²] |
| 17 | The escape velocity | A. Is independent of mas of the body B. Increases with the increases of mass of the body C. Decreases with the decreases of mass of the body D. Depends upon the type of body used |
| 18 | Abu abdullah ibn Jabir Al battani was the greatest | A. Philospher B. Mathematician C. Astronomer D. Palmist |
| 19 | Refractive index of a medium is define das. | A. speed of light in vaccum/speed of light in medium B. Speed of light in medium/Speed of light in vacuum C. Speed o flight in air/speed of light in medium D. Speed of light in medium/Speed of light in air |
| 20 | When heat a supplied to a metallic sphere which one of the following changes will occur. | A. the mass of the sphere increases B. The volume of the sphere increases C. The density of the sphere increases D. The internal energy of the sphere increases |