

## PPSC Physics Mcq's For Full Book

| Sr | Questions   | Answers Choice   |
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| 1  | In potential for the material of cathode pure metals are rarely used because of their   | A. Low reflecting power<br>B. High reflecting power<br>C. Low resolving power<br>D. High resolving power                             |
| 2  | The chemical behavior of an atom is determined by   | A. Mass number<br>B. Number of Isotopes<br>C. Atomic number<br>D. Binding energy   |
| 3  | A body of mass 1 kg hanging with a spring of spring constant 60 N m <sup>-1</sup> is rotation in a horizontal circle The values of angular frequency will be. | A. 80 .94 Hz<br>B. 89. 4 Hz<br>C. 98. 4 Hz<br>D. 108 . 6 Hz  |
| 4  | A water wave is an example of.  | A. Transverse wave<br>B. Longitudinal wave<br>C. Hair wave<br>D. Shock wave  |
| 5  | Some concept of static electricity were introduced by.  | A. Chinese<br>B. Plato<br>C. Thales<br>D. Archimedes   |
| 6  | The electric heater takes a current of 4 A from a 250 V supply . How long would it take the heater to convert 400,000 J of electric energy.                   | A. 100 s<br>B. <div>200 s</div><br>C. 400 s<br>D. 750 s  |
| 7  | When the temperature of a body is equal to that of the surrounding then the body appears  | A. Dull black<br>B. Red hot<br>C. In thermal equilibrium<br>D. To be cold  |
| 8  | How does heat transfer between objects.   | A. From cold to hot objects<br>B. From hot to cold objects<br>C. By electromagnetic radiations<br>D. From hotter to hottest objects. |
| 9  | Which of the following has the highest relative biological effectiveness or the quality factor.   | A. X rays and Gama rays<br>B. Electrons<br>C. Photons<br>D. Alpha particles  |
| 10 | A device used to determine mass of an isotope quite accurately is known as.   | A. Spectrometer<br>B. Mass spectrometer<br>C. Mass detector<br>D. Electronic balance   |
| 11 | Difference in the density of two medium when waves are passing from one into another medium always results in the change in.                                  | A. Wave speed<br>B. Wave direction<br>C. Both speed and direction<br>D. Wave frequency   |
| 12 | A diatomic gas contains only  | A. Translational K.E.<br>B. Rotational K.E.<br>C. Vibrational K.E.<br>D. All of these  |
| 13 | LASER is a device which can produce   | A. Monochromatic beam of light<br>B. Coherent beam of light<br>C. An intense beam of light<br>D. All of these                        |
| 14 | The transition of inner shell electrons in heavy atoms gives rise to the emission of.   | A. Low energy b-particle<br>B. High energy b-particle<br>C. High energy X- rays<br><br>D. High energy gama rays                      |
| 15 | Which vector gives the displacement from one point to another in space.   | A. Position vector<br>B. Unit vector<br>C. Null vector<br>D. Distance vector   |

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| 16 | Which of the following is basic transistor configuration. | A. CB<br>B. CC<br>C. CE<br>D. All of these   |
| 17 | Bernouli's equation includes as a special case of.        | A. Hook's law<br>B. Torricelli's therorem<br>C. Third law of motion<br>D. Archimedes principle |
| 18 | A preset or trimmer can be a.                             | A. Variable resistor<br>B. Variable capacitor<br>C. Variable inductor<br>D. All of these       |
| 19 | Lenz's was a physicist of.                                | A. America<br>B. Russia<br>C. Japan<br>D. China  |
| 20 | What will be the sound speed if the frequency is doubled. | A. zero<br>B. Half<br>C. Double<br>D. Unchanged  |