

PPSC Physics Mcq's For Full Book

| Qr. | Questions | Answers Choice |
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| Sr | Anconor | |
| 1 | If temperature of the sink is decreased the efficiency of a Carnot engine | A. Increases B. Decreases C. Remains constant D. First increases and thend ecreases |
| 2 | Which of the following describes that the time interval between two events may be different in different of references | A. Simullaneously B. Time dilation C. Length contraction D. Mass variation |
| 3 | If the base emitter junction is forward biased and base collector junction is reverse biased the BJT is in. | A. cut of mode B. Amplification mode C. Saturation mode D. Inversion mode |
| 4 | Significant motion for the molecules of a monoatomic gas is. | A. Rotatory B. Vibratory C. Translatory D. Random |
| 5 | Force acting on a test charge between the plates of a parallel plate capacitor is F. If one of the plates is removed teh force on the same test charge will be. | A. Zero B. F/2 C. F D. 2 F |
| 6 | The work required to lift a ball of mass 'm' from the surface of the earth to an infinite distance is | A. Absolute P.E. of the body B. P.E of the body C. K.E. of the body D. Chemical energy of the body |
| 7 | If in Young's double slit experiments the separation between two slits is halved then the fringe width | A. Remains unchanged B. Becomes double C. Reduces to half D. Becomes 3 times |
| 8 | When objects placed in a room are exposed to X- rays they appear | A. Violet B. Visible C. Red D. Invisible |
| 9 | Charge to mass ration of an electron is determined by using the relation. | A. e/m = B/rv B. e/m = r/vB C. e/m = V/Br D. e/m = v/r |
| 10 | A water wave is an example of. | A. Transverse wave B. Longitudinal wave C. Hair wave D. Shock wave |
| 11 | Which of the following does not produced an erect image. | A. Galilean telescope B. Terrestrial telescope C. Prism binoculars D. Astronomical telescope |
| 12 | If a fluid does not wet a liquid surface, the angle of contact is. | A. 90 ^o B. less than 90 ^o C. * greater than 180 ^o D. between 90 ^o and 180 ^o |
| 13 | For an electron or position the rest mass energy is equal to. | A. 0.21 MeV B. 0.51 MeV C. 1.51 MeV D. 1.21 MeV |
| 14 | Which quantity is common for systems in thermal equilibrium. | A. Heat B. Temperature C. Momentum D. Specific heat |
| 15 | The angular speed of an electron in the nth orbit of Bohr's hydrogen atom is. | A. Directly proportional to n B. Directly proportional to n2 C. Inversely proportional to n |

| | | D. Inversely proportional to n2 |
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| 16 | In electric magnetism, the additional fundamental quantity that is chosen as a basic unit is called. | A. Electric potential B. Electric fierce C. Electric charge D. Magnetic force |
| 17 | Why does a transformer have a core made of iron. | A. Iron has a high melting point B. Iron is a magnetic material C. Iron potential and high current D. Iron is a conductor of electricity |
| 18 | The core of a transfer is made of iron because | A. Iron is a good electric material B. Iron is cheaper than copper C. Iron is easily magnetized and demagnetized D. Iron makes a good permanent magnet |
| 19 | MT-2 is the dimensionless formula of. | A. Moment of iniertia B. Viscosity C. surface tension D. Angular acceleration |
| 20 | If the number of coulombs per second through a wire of 10 Ohm resistance across a 120 V line is 12, the current is | A. 5 A B. 10 A C. 12 A D. 15 A |