

Physics ECAT Pre Engineering MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	According to Stoke's law, drag force depends on	A. Initial velocity B. Final velocity C. Terminal velocity D. Instantaneous velocity
2	The basic circuit element in a d.c. circuit is a/an	A. Inductor B. Resistor C. Capacitor D. Battery
3	The time of flight of a projectile motion equal to	A. half of the time to reach maximum height B. twice the time to reach maximum height C. one fourth of time to reach maximum height D. time to reach maximum height
4	The solids are classified as:	A. Metals B. Crystalline C. Amorphous D. Polymeric E. All except (A)
5	Lead, copper and wrought iron are examples of	A. brittle substances B. ductile substances C. plastic substances D. elastic substances
6	Parallel vectors of same magnitudes:	A. Are equal B. Are unequal C. When added give the some equal to zero D. Give the answer equal to zero
7	The A.M. transmission frequency range from	A. 500-1000 KHz B. 540-1600 KHz C. 300-490 KHz D. 900-2040 KHz
8	A cube of metal is given a positive charge Q. For the above system, which of the following statements is true?	A. Electric potential at the surface of the cube is zero B. Electric potential within the cube is zero C. Electric filed is normal to the surface of the cube D. Electric filed varies within the cube
9	Referring to the above figure, we can say that of all the elements, the most stable element is	A. Phosphours B. Iron C. uranium D. Lithium E. Bismuth
10	In a surface tension experiment with a capillary tube water rises up to 0.1 m. if the same experiment is repeated on an artificial satellite, which is revolving around the earth, water will rise in the capillary tube up to a height of	A. 0.1 m B. 0.2 m C. 0.98 m D. Full length of the capillary tube
11	The direction of the streamlines is the same as the direction of the	A. force B. torque C. velocity D. weight
12	If the absolute uncertainty of an instrument is 0.0a1 cm, then its least count will be :	A. 0.005 cm B. 0.01 cm C. 0.02 cm D. 0.001 cm
13	A device used to measure the speed of liquid flow is known as	A. barometer B. speedometer C. sphigmomanometer D. venture-meter
14	The use of chips in electrons is described in the form of:	A. Yellow boxes B. Black boxes C. Red boxes D. ...

D. White boxes
E. Orange boxes

15	An important part of photocopier is:	A. <p class="MsoNormal">Toner cartridge</p></p> B. <="" ><span="" >deflection="" class="MsoNormal" p><="" p><br="" plates<="" span><="" span><p="" style="font-size:12.0pt;line-height:107%;font-family: &quot;Times New Roman&quot;, &quot;serif&quot;">C. charging="" electrode<="" p><="" p><br="" span><="" style="font-size:12.0pt;line-height:107%;font-family: &quot;Times New Roman&quot;, &quot;serif&quot;">D. print="" head<="" p><="" p><br="" span><="" style="font-size:12.0pt;line-height:107%;font-family: &quot;Times New Roman&quot;, &quot;serif&quot;">E. none="" of="" p><="" p><="" span><="" style="font-size:12.0pt;line-height:107%;font-family: &quot;Times New Roman&quot;, &quot;serif&quot;" td="" these<="">
16	Experiments revealed that the ratio of the stress to the strain is a constant value for	A. different material B. all materials C. a given material D. all of them
17	Astrophysics is a branch of physics, which deals with:	A. Sub-atomic particles B. Stars and galaxies C. Light and sound D. Music
18	The path described by a projectile is called its	A. orbit B. trajectory C. range D. distance
19	By placing a dielectric in between the charges, the electrostatic force between them	A. Is always reduced B. Is always increased C. Is not affected D. Is increased one million times E. None of these
20	A device which converts Electrical energy into mechanical energy is called as	A. Transformer B. Generator C. Motor D. All of these