

## ECAT Pre General Science MCQ's Test For Physics Full Book

C-	Overtions	Angunya Chaina
Sr	Questions	Answers Choice
1	The linear momentum of the body is defined as	A. p=ma B. p=1/2ma C. p=mv D. p=1/2mv
2	The CRO is used for displaying the waveform of a given	A. current B. voltage C. both of them D. none of them
3	Speed of light in vacuum depends upon:	A. Frequency B. Wavelength C. Amplitude D. None of these
4	Centripetal force for electron is given by	A. mv <sup>2</sup> / r B. mv / r <sup>2</sup> C. mv <sup>2</sup> / r D. mr <sup>2</sup> / v
5	The ohm's is defined as	A. 1 ampere / 1 volts B. 1 coulomb / 1 volt C. 1 volt / 1 ampere D. 1 volt / 1 coulomb
6	The SI unit of spring constant is identical with that of:	A. Force B. Surface tension C. Pressure D. Loudness
7	The principle characteristics of an ideal standard are	A. Inaccessible and Invariable B. Accessible and Invariable C. Accessible and Variable D. None of these
8	In case of point source of light, shape of wavefront is	A. Spherical B. Cylindrical C. Plane D. None of above
9	During the upward motion of the projectile, the vertical component of velocity:	A. Decreases B. Increases C. Remains constant D. None of these
10	Xerography means:	A. <span style='font-size:12.0pt,line-height:107%;font-family: "Times New Roman","serif"'>Dry writing<o:p>p&gt;</o:p></span>
		A. Along the tangent

When a body moves along a circular path with constant speed, it has an acceleration, which is always directed	B. I owards the centre C. Away from the centre D. None of them
The phase at the positive peak of an A.C. cycle is:	A. 0 <span style='font-family: "Times New Roman", serif; font-size: 12pt; text-align: justify;'>°</span> <span style='font-size:12.0pt; line-height:107%; font-family: " Times New Roman", " serif"'><sp>B. 90<span style='font-family: " line-height:107%; font-family: " line-height:107%; font-size: 12pt; text-align: justify'><span style="font-size: 12pt; text-align: justify"><span &quot;="" 12.0pt;="" 12pt;="" font-family:="" font-size:="" justify:="" line-height:107%;="" line-height:1<="" sopan="" style="font-size: 12pt; text-align: justify: sopan style=" td="" text-align:=""></span></span></span></sp></span>
An object undergoes SHM. Its maximum equilibrium positions:	A. Maximum B. Half of its maximum value C. Zero D. None
	21.101.0

- The instantaneous velocity is define as the limiting value of  $\Delta d/\Delta t$  on the time interval  $\!\Delta t$  approaches to
- A. zero
  B. maximum
  C. minimum
  D. infinity
- Which of the following options states the names of fluids in the order of increasing viscosity?

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- A. mercury, motor oil, methanol B. methanol, mercury, motor oil C. motor oil, mercury, methanol D. methanol, motor oil, mercury

## A. Newton/ampere-meter or N/A-m B. Newton/ampere<sup>2</sup>-meter or

N/A<sup>2</sup>-m

17	The SI unit of magnetic induction is tesla which is equal to	C. Newforkampere <sup>z</sup> - meter <sup>2</sup> or N/A <sup>2</sup> - m <sup>2</sup> D. Newfon/ampere <sup>2</sup> - meter <sup>2</sup> - meter <sup>2</sup> - m <sup>2</sup> -
18	Surface tension of water is due to	A. Inter molecular attractions B. Inter molecular spaces C. Inter molecular repulsion D. None of above
19	If yellow light emitted by sodium lamp in Young's double slit experiment is replaced by blue light of the same intensity	A. Fringe width will decrease B. Fringe width will increase C. Fringe width will remain unchanged D. Fringe will become less intense
20	If the object and its image are located at a distance of 5 cm from the focus of a convex lens, the focus length of the lens will be:	A. 5 cm B. 10 cm C. 20 cm D. 25 cm