Supdt. Sign & Seal

## ESKP-10XIII01 PHYSICS (10th)

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There are three sections of this paper. Carefully read the instructions for each section and attempt accordingly. Attempt all questions of Section-A and return it to the Superintendent within given time, even if you have not attempted any question. No marks will be awarded for cutting/erasing/overwriting. NOTE:

		SECTION-A							
Ti	me A	Max. Marks: 12							
1.	. There are four possible answers (A, B, C, D) for each question. Select the correct one and write answer box.								
	Ü	The time period of simple pendulum depend on: [A) length, B) mass, C) temperature, D) amplitude].							
	H.	The intensity of sound depends on: [A) amplitude, B) frequency, C) surface area, D) all these]							
	iii.	Which one is not the application of ultrasonics? (A) sonor, B) breaking kidney stone, C) quality control, D) resonance]							
	iv.	In reflection process the angle of incidence is 30°. The angle of reflection will be: [A) 10°, B) 30°, C) 45°, D) 60°]							
	V.	The refraction index of diamond is 2.42. The critical angle for diamond is. [A) 20°, B) 24°, C) 30°, D) 45°]							
	vi.	The ratio of the size of image to the size of object is called: [A) magnification, B) resonance, C) damping, D) total internal reflection]							
	vii.	The unit of electric current is ampere which is equal to: [A) coulomb/meter, B) coulomb/volt, C) coulomb/second, D) coulomb/ohm]							
	viii.	The equivalent resistance of $R_1=2\Omega$ and $R_2=3\Omega$ connected in series are: [A) $2\Omega$ , B) $3\Omega$ , C) $4\Omega$ , D) $5\Omega$ ]							
	ix.	A bar magnet is cut in the middle. There appears on the cut ends: (A) two like poles, B) two opposite polls, C) single pole, D) no poles]							
	X.	Beta particles is actually emitted by a nucleus. [A) proton, B) neutron, C) electron, D) deuteron]							
	xi.	Silicon become p-type by doping with element. [A) divalent, B) trivalent, C) tetravalent, D) pentavelent]							
	xii.	The output unit of computer is: [A) keyboard, B) mouse, C) CPU, D) monitor]							