Roll No. : _____

Objective
Paper Code
6477

Intermediate Part First

PHYSICS (Objective) GROUP - I

Time: 20 Minutes Marks: 17

Q.No.1 **You have four choices for each objective type question as A, B, C and D. The choice which you think is correct, fill the relevant circle in front of that question number on computerized answer sheet. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero marks in that question. Attempt as many questions as given in objective type question paper and leave other circles blank.**

S.#	Questions	A	B	C	D
1	The dimension of ρgh is similar as that of:	Power	Torque	Pressure	Force
2	The wavelength of wave produced by microwave oven is:	6cm	12cm	24cm	50cm
3	Speed of sound in air at S.T.P. is:	280 m/s	330 m/s	332 m/s	350 m/s
4	Half wavelength corresponds to:	0°	90°	180°	360°
5	Which cannot be polarized?	Sound waves	X-rays	Light waves	Radio waves
6	The first person who attempted to measure the speed of light was:	Newton	Galileo	Huygen	Michelson
7	Boltzman constant "K" has the same unit as:	Pressure	Energy	Temperature	Entropy
8	If temperature of the sink decreases, then efficiency of Carnot engine:	Increases	Decreases	Remains the same	First increases then decreases
9	Which is not a base unit in SI units?	Ampere	Joule	Kilogram	Kelvin
10	If error in measurement of radius of circle is 2%, then permissible error in its area will be:	1%	2%	3%	4%
11	If $A_x = A_y$, then angle between $\vec{A}$ and x-axis is:	30°	45°	60°	90°
12	In which quadrant vector $-2\hat{i} - 3\hat{j}$ lies?	1st	2nd	3rd	4th
13	Impulse has same unit as that of:	Mass	Energy	Force	Linear momentum
14	The range of projectile is same for:	10°, 70°	20°, 50°	25°, 65°	30°, 70°
15	Which one is non-renewable source of energy?	Tides	Biomass	Waves	Oil
16	Rotational K.E. of disc is given by:	$\frac{1}{2}mv^2$	$\frac{1}{4}mv^2$	$\sqrt{gh}$	$\sqrt{\frac{4}{3}gh}$
17	If a body of mass 10kg is falling freely, its apparent weight will be:	Zero	10N	98N	980N