Roll N	o. of Candidate .			
PHYS	SICS Inte	ermediate Part-I, Clas	s 11 th (1 st A 324- IV)	Paper: I Group - 1
Time:	20 Minutes	OBJECTIVE	Code: 6477 Abhiba	as ambain Marks: 17
1	You have four choices for e fill that circle in front of tha circles will result in zero n	ach objective type question at question number. Use mark nark in that question.	as A, B, C and D. The choice or pen to fill the circles. (ce which you think is correct Cutting or filling two or more
	acceleration, the reacti (A) 9.8 N Which pair of angles g	on the floor of an elevator on of floor on the mass is (B) 0 N ives same range of project (B) (20°, 40°)	(C) 4.9 N tile thrown with velocity	(D)/14.7 N
3 -	For circular motion with constant speed v, ω and r are at (A) 90° with each other (B) 120° with each other (C) 60° with each other (D) 30° with each other Which of the following is correct (A) in irreversible process entropy remains constant (B) in reversible process entropy increases (C) in reversible process entropy remains constant (D) in irreversible process entropy decreases			
5 -	To observe one hundre mirror will be minimum (A) Red	d fringes in Michelson's in in case of light. (B) Green	nterferometer, the distanc	e travelled by moveable (D) Yellow
6 -	A body in SHM with a	mplitude xo goes from mea	an position to $\frac{X_0}{A}$. Its pha	. ,
	(A) 30°	(B) 45°	(C) 60°	(D) 90°
7 -	$\hat{i} \cdot (\hat{j} \times \hat{k}) = \underline{\hspace{1cm}}$	(2).2	(0) 00	(D) 90
	(A) 0	(B) 1	(C) î	(D) j
8	Two masses 2 Kg and 3 Kg are moving towards each other with velocity 3 m/s and 2 m/s. The total			
	(A) 12 Ns	m 1s (B) 0 Ns	(C) 13 Ns	(D) –12 Ns
9 -	Mass is a highly concer (A) Momentum	trated form of (B) Inertia	(C) F	(5)
10 -			(C) Energy	(D) Acceleration
11	(A) study spectrum of light (B) measure refractive index of material (C) study polarization of light (D) measure wavelength of light If frequency of stationary waves are increased to higher harmonic which of the following de		n of light	
11 -	(A) speed	(B) wavelength	nigher harmonic which of (C) tension in the string	the following decreases
12-	Which is renewable sou (A) Biomass	rce of energy (B) Coal	(C) Oil	(D) Uranium
13 -	Heat is transferred slow pressure of 8000Nm ⁻² . I	ly to a gas in a cylinder, th f cross-sectional area of th (B) 64 j	the piston is pushed up through the piston is 0.10m^2 , work (C) 16 j	ough 4.0 cm at constant
14 -	The complete requirement (A) $\Sigma \vec{F} = 0$	ent for a body to be in equivalent for a body to be in equivalent (B) $\sum \vec{F}_x = 0$ (C)	librium are	$\sum \vec{F} = 0$ and $\sum \tau = 0$
15 -	If the percentage uncertage (A) 3%/	ainty in the radius of a sph (B) 6%		
16 -	Two points in a wave $\frac{\lambda}{4}$	distance apart have phase	difference	
	(A) n	(B) π/2	(C) π/3	(D) 2π
17 -	Bernoulli's equation rela (A) pressure, speed and (C) force, speed and pre-	ntes to height	(B) pressure, force and height (D) force, height and speed	