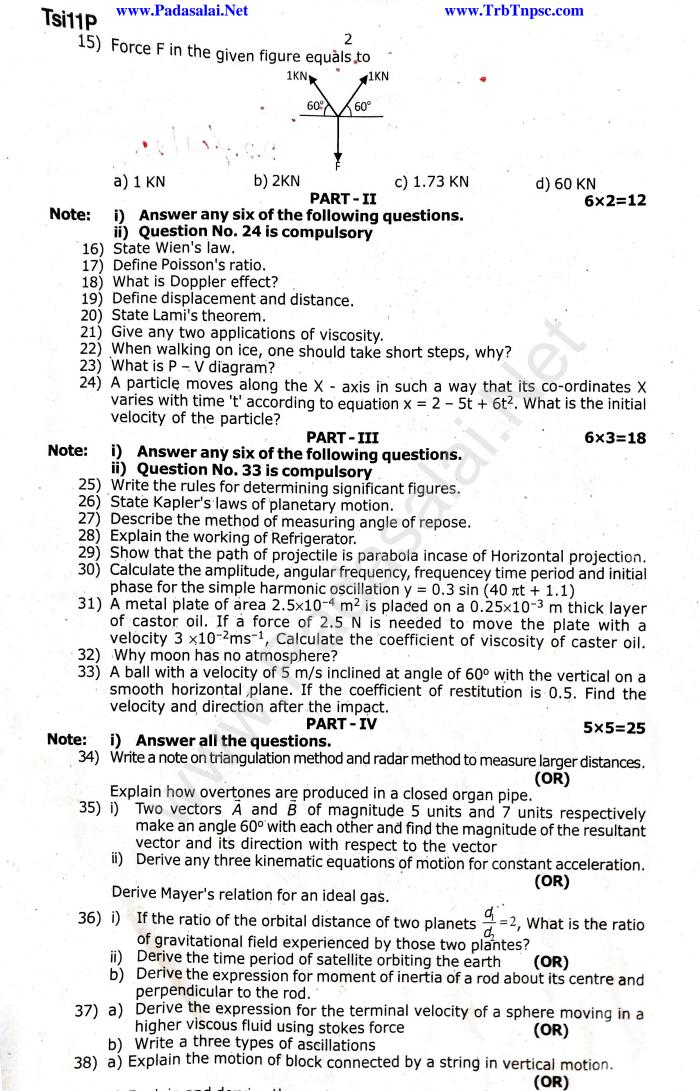
,	Tsi11P	www.Padasalai.Net Tenkasi District www.TrbTnpsc.com	
		Common First Revision Test - January 2025	
		The state of the s	
	Time . 3	Standard 11	
	rime: 3.	00 Hours PHYSICS Marks: 70	
1	Note:		
,	TOLE.	'/ Allawer all the questions	
		" choose the most appropriate anguer for the sixon for	
	1)	and write the option code and the corresponding answer.  If an object is dropped from the target a large answer.	
	,	The second of th	
		a) 77.3 m b) 78.4 m h) 78.4 m	
	2)	A ball is projected vertically upwards with d) 79.2 m	
		ground in time t. Which v – t graph shows the motion correctly?	
		v v v v v v	
		a) b) c) d)	
	3)	Two masses m and m are sure $t \rightarrow t $	
	-,	Two masses $m_1$ and $m_2$ are experiencing the same force where $m_1 < m_2$ . The	
		racio of their acceleration, a is	
		b) loss than 1	
	4)	c) greater than 1	
	4)	a) always are	
		c) always non	
	5)	If the linear momentum of the object is increased by 0.1%, then the kinetic	
		energy is increased by	
		a) 0.1% b) 0.2%	
	6)	A rope is wound around a hollow cylinder of mass also and and in the	
		is the disgular acceleration of the cylinder if the rone is bulled with a ferre	
		a) 0.25 rad $c^{-2}$ b) 25 $-2$	; <b>-</b> '
	7)	If a person moves from chennal to Trichy, his weight	
		a) increases b) decreases	
		c) remains same  Which of the following is not a scalar:  d) increases and then decreases	
	8)	Which of the following is not a scalar?	
	. 01	a) viscosity b) surface tension c) pressure d) stress	
	9)	in not summer after a path, the body's	
		a) internal energy decreases b) internal energy increases	
	10)	(1) no change in internal energy and beat	
	-9)	Two identically sized rooms A and B are connected by an open door. If the room A is air conditioned such that its temperature is 4°C lesser than room	
		B, which room has more in it?	
	A Same	c) Both room has same air d) cannot be determined	
	11)	the damping force on an ascillator is directly proportional to the velocity	
		the units of the constant of proportionality are	
	12\	a) kg ms <sup>-1</sup> b) kg ms <sup>-2</sup> c) kg s <sup>-1</sup> d) kg s	
	12)	A sound wave whose frequency is 5000 Hz travels in air and then hits the	
		water surface. The ratio of its wavelengths in water and air is a) 4. 30 b) 0.23 c) 5.30 d) 1.23	,
	13)	If $P_1$ and $P_2$ are the pressure above and below the wing of an aeroplane, $\rho$ is	
		the density of the air, A is the area of the wing and $v_1$ and $v_2$ are speed of	
		the air above and below the wing, then dynamic life of aeroplane is	
		a) $(p_1 + p_2)$ b) $(p_2 + p_1)$ 1 $(p_2 + p_2)$ 1 $(p_2 + p_2)$	
	14	a) $(p_2 + p_1)\rho$ b) $\frac{P_2 + P_1}{A}$ c) $\frac{1}{2}\rho(V_1^2 - V_2^2)A$ d) $\frac{1}{2}\rho(V_1^2 + V_2^2)A$	
	14)	The time period of oscillation of a simple pendulum is $\sqrt{2}$ S. If its length is	
		al 0 5 C	
		a) 0.5 S b) 0.707 S c) 1 S d) 2 S	



b) Explain and dervive the work - kinetic energy theorem. Kindly Send Me Your Questions & Answer Keys to us: padasalai.net@gmail.com