SMAPhysics

UNITS AND MEASUREMENTS WORKSHEETS

Class: 11

Chapter Name: Units and Measurement

Topic: Units			Worksheet: 1			
Light year is a unit of						
(a) Time	(b) Mass	(c)	Distance	(d)	Energy	
The magnitude of any	physical quantity					
(a) Depends on the m	ethod of measureme	ent				
(b) Does not depend	on the method of me	easureme	nt			
(c) Is more in SI syste	m than in CGS systen	n				
(d) Directly proportio	nal to the fundamen	tal units o	f mass, length a	and time	е	
Which of the followin	g is not equal to wat	t				
(a) Joule/second	(b) <i>Ampere</i> × <i>volt</i>					
(c) (Ampere) ² × ohm	(d) Ampere/volt					
Newton– <i>second</i> is the	e unit of					
(a) Velocity	(b) Angular mome	ntum(c)	Momentum	(d)	Energy	
Which of the following is not represented in correct unit						
(a) $\frac{\text{Stress}}{\text{Strain}} = N/m^2$ (b) Surface tension = N/m						
(c) Energy = $kg - m$	/sec (d)Pressure = I	N/m^2				
One second is equal to	0					
(a) 1650763.73 time ¡	periods of Kr clock					
(b) 652189.63 time pe	eriods of Kr clock					
(c) 1650763.73 time	periods of <i>Cs</i> clock					
(d) 9192631770 time	periods of <i>Cs</i> clock					
One nanometre is equ	ual t					
(a) $10^9 mm$	(b) $10^{-6}cm$	(c)	$10^{-7} cm$	(d)	$10^{-9} cm$	
A micron is related to	centimetre as					
(a) $1micron = 10^{-8}cm$		(b)	1micron = 1	$1micron = 10^{-6}cm$		
(c) $1micron = 10^{-5}cm$		(d)	1micron = 1	$1micron = 10^{-4}cm$		
The unit of power is						
(a) Joule		(b)	Joule per second only			
(c) Joule per second and watt both		(d)	Only watt			
A suitable unit for gra	vitational constant is	;				
(a) $kg - m sec^{-1}$		(b)	$N m^{-1} sec$			
(c) Nm^2kg^{-2}		(d)	$kgmsec^{-1}$			