S.1 PHYSICS

END OF TERM ONE-2019.

INSTRUCTIONS.

ALL QUESTIONS SHOULD BE ANSWERED.

CIRCLE THE CORRECT ALTERNATIVE IN SECTION A. USE THE SPACES PROVIDED TO WRITE YOUR ANSWER IN SECTION B.

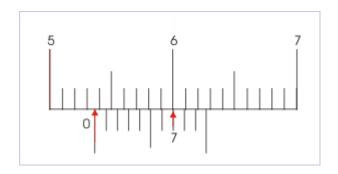
				SECTION A					
1.	The f	following are	all fun	damental q	uanti	i ties e	xcept o	ne ,wł	nich one?
	A.	area	В.	mass	C.	lengt	h	D.	time.
2.	Why	do we use S .	I units	when measi	aring p	physic	al quai	ntities	?
	A.	Because the world.	ey are i	nternationa	lly acc	epted	everyw	here i	n the
	B.	Because they are easy to understand.							
	C.	Because they are the only units for a given quantity.							
	D.	Because th	ey are e	easy to conv	ert to	other	units.		
3.	How	can you defi	ne mat	ter?					
	A.	Physical ob	jects or	n earth.					
	В.	Anything th	nat occi	apies space	and ha	as wei	ght.		
	C.	matter refe	rs to liq	ıuids such a	s wate	er whic	ch flow	•	
	D.	matter refe	rs to so	lids that are	heavy	у.			
4.		e the instrum leter of a labo			itable	for m	easurin	ng the	external
	A.	micrometer	screw	gauge.		В.	tape n	neasur	·e.
	C.	vernier call	iper			D.	a meti	re rule	
5.	In wl	hat unit does	the m	icrometer s	crew (gauge	operat	te?	
	A.	cm	B.	mm	C.	m		D.	km
6.	Write	e the number	· 348.5	in Scientif	ic for	m.			

	A. 34.85×10^{1}	B. 3.485×10^2	C. 3.485×10^3	D. 3.485×10^{-2} .			
7.	Which of the follo	wing is not a b	ranch of physics?				
	A. Mechanics	B. Light	C. Heat D. E	ngineering.			
8.	The SI unit for lea	ngth is?					
	A. cm	B. mm	C. m	D. km			
9.	Which of the following is not used to measure <i>volume</i> of a liquid in the laboratory?						
	A. thermos flask	B. burette	C. measuring cylin	nder D. beaker			
10.	A rectangular block of wood ,25cm by 4cm by 20cm has a mass of 1.6kg.What is its <i>density</i> in gcm ⁻³ .						
	A. 0.0008gcm ⁻³	B. 0.8gcm ⁻³	C. 800 gcm ⁻³	D.8000gcm ⁻³			
11.	Convert 7,257,60	00 seconds to v	veeks.				
	A. 84	B. 12	C. 10	D. 7			
12.	Study the proper	ties below and	answer the questio	n that follows.			
	(i) they have no definite shape						
	(ii) they cannot be compressed						
	(iii) the particles are fairly close to each other.						
	The properties above describe a:						
	A. solid B. gas	C. liquid	D. none				
13.	What instrument would you use to measure the diameter of a thin wire?						
	A. tape measure		B. vern	ier calliper			
	C. metre rule		D. micro	ometer screw gauge			
14.	Calculate the total surface area of a cuboid of dimensions $50cm \times 20cm \times 40cm$, giving your answer in m ² .						
	A. 7600m ²	B. 0.76m ²	C. $0.8m^2$	D. $0.1m^2$			

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16. (a) Draw a vernier calliper and label its parts.

(b) Calculate the reading shown by the vernier calliper below.



17. (a) Define energy
(b) Define any six forms of energy

Complete the following table.

18.

(a)

Quantity	S I Units	Symbols
Force		
Area		
77 1		
Volume		
Density		
Speed		
Energy		
G.		
Duccessure		
Pressure		