## Mid Term II Examination-2019 S.1 PHYSICS

Time: 1hr 30 mins

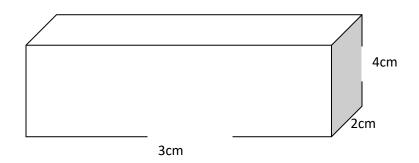
## **INSTRUCTIONS**

## Answer all questions in this paper

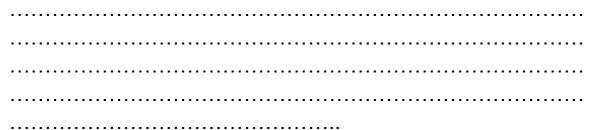
<ol> <li>Define the following</li> </ol>	9	
a) Fundamental qu	antities	
b) Derived quantitie	26	
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2. Complete the table	hala	
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Quantity	S.1 unit	Symbol
Length		m
	Kilogram	
Time	Second	
	Square metre	
		M <sup>3</sup>
Density		Kgm <sup>-3</sup>
	Metre per second	
weight		N
	Kelvin	K
3. List three instrumer	nts used to measure leng	yth
4. Convert the following	ng as instructed	
a) 16.4 mm to metres	J	

b)	0.092 km to metres
c)	20cm to metres
d)	50m to centimeters
5.	Convert the following i) 20m² to mm²
	ii) 4.3mm² to cm²
6.	Define volume and state its S.1 unit

b)Find the volume of the figure below in metres cubed



7. Explain how you can determine the volume of an irregular object



8. a) Define density and state its S.1 unit

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b)convert 0.8 gcm<sup>-3</sup> in kgm<sup>-3</sup>

- 9. convert the following in scientific form
- a) 934.74

b) 0.0000274

c) 1034342

10. Write the following to the stated significant figures a)  $4.027 \times 10^{-2}$  to 3 s.f

b) 4347003 to 3s.f

c) 0.0000344 to 2s.f

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