

## PHYSICS FORM ONE

NAME: .....ADM NO: .....CLASS: .....

1. a) Define the term physics. (1mk)

b) State any **three** branches of physics. (3mks)

2. State any **three** laboratory rules bordering on electrical installations in the laboratory. (3mks)

b) Explain briefly how physics is related to the following subjects. (3mks)

i) Biology

ii) Chemistry

iii) History

4. Differentiate between Basic physical quantities and derived quantities. Give **two** examples in each case. (4mks)

5. Fill in the table below with appropriate answers. (4mks)

QUANTITY	SI UNITS	SYMBOL OF SI UNIT
		A
Volume		
	Candela	
		P

6. State **four** career opportunities which you require to study physics. (4mks)

7. The mark of piece of stone was found to be 100mg.  
Determine the mark of the piece of stone in SI units. (3mks)

8. A piece of thread 100cm is wrapped around the test tube exactly 20 times. Determine the diameter and radius of the test-tube. (3mks)

9. The measuring cylinder is used to measure the volume of an object whose volume is  $7\text{cm}^3$  when immersed into the cylinder whose initial volume is  $5\text{cm}^3$ . Draw and Indicate the new level of the liquid.  
(2mks)