FORM ONE EXAM SUBJECT: PHYSICS

		Candidate's Name:		
		SECTION A (Answer all question		
1	For 6	each of the items (i) $-(x)$, choose the most correction		
1.		e its letters beside the item number in the spaces prove		
	i)	 In a physics laboratory, fire may be caused by A. Carelessness in using gas lighter or match box B. Use your bare hands to pick up pieces of brokes C. Disposing solid waste into the sink D. Using dirty or broken apparatus 	n gla	ass
	ii)		•e 1e	ngth, depth, internal and external diameters of
	11)	cylindrical object more accurately A. Meter rule B. Micrometer screw gauge C. Vernier caliper D. Tape measure	ic ic	ngin, depin, memar and externar diameters of
	iii)	is an instrument / apparatus for	r me	easuring mass of an object
		A. Spring balanceB. Stop watchC. Triple beam balanceD. Calorimeter		
	iv)	The following are the apparatus for measuring volu A. Beaker B. Measuring cylinder C. Tripod stand D. Pipette	ıme	of liquids except
	v)	Which of the following are necessary components:A. Fuel, oxygen and heatB. Oxygen, heat and carbon dioxideC. Fuel, heat and match boxD. Chlorine, heat and Bunsen burner	for a	fire to occur
	vi)	is substance which should be	han	dled with care to prevent them from breaking.
		example a glass ware such as beaker, test tube and A. flammable B. irritant/Harmful	C.	ical flask. fragile Oxidant /oxidizing agent
	vii)	Physics is a branch of science which deals with the A. Matter and atom B. Environment and human being	rela C.	
	viii)	Which one among the following is a form of energy A. Bunsen burner B. X-ray machine	C.	Electrical Kerosine burner
	ix)	The following are the two (2) examples of liquid st A. Kerosene and water B. Desk and stone	C.	except Milk and honey Blood and spirit

x)	textile		_is a class o	of fire wh	ich invol	ves burnir	ng of solid	l materials	such as v	wood, pape	er oi
	A. CL	LASS A					CLASS C				
1	B. CI	LASS B				D. (CLASS D				Ī
	i	ii	iii	iv	V	vi	vii	viii	ix	X	

2. The table below gives some of the items found in a first aid kit in List A and their uses in List B correctly match them

	LIST A		LIST B
i)	Disposable sterile gloves.	A	Protect wounds from dirty and germs.
		В	Relieve pain.
ii)	Liniment.		
		C	Cut dressing material.
iii)	Antiseptic solution.	D	Measure body temperature.
		Е	Clean fresh cuts and bruises.
iv)	Clinical theermometer.		
		F	Reduce muscular pain.
v)	Scissors and razor blade.	G	Prevent direct contact with victim's body fluids.

LIST A	i	ii	iii	iv	v
LIST B					

3.		is a substance which is dangerous and can cause death within a short period of
		time. Example, jik and mercury.
	b)	is a dangerous substance which can affect our health when in use for a long period of time example tobacco, ammonia and paint.
	c)	is a substance which speed up the rate of burning or supply oxygen to another substance example, oxygen gas, hydrogen peroxide, chlorine gas and fluorine gas.
	d)	is a substance which catches fire easily example gasoil, spirit, methane, petrol, kerosine and diesel.
	e)	is a substance which cause gradual wearing out if contact with various materials. example concentrated sulphuric acid and concentrated sodium hydroxide

SECTION B (70 marks)
Answer all questions in this section

Danger of an electric shock	Flammable	Corrosive	Toxic
	1		
Draw the symbols for the following	lowing warning signs.		
) What is energy?			
Outline any eight (8) forms of	of energy.		
i)		v)	
::)		vi)	
ii)		*::)	
iii)		vii)	
:::)		viii)	
iii)			
iii)iv)		viii)	
iii)iv) Define the following terms as		viii)	
iii)iv)		viii)	
iii)iv) Define the following terms as		viii)	
iii)iv)		viii)	
iii)iv)		viii)	

b) C	Complete the scientific method flow chart when carrying out a scientific investigation
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	1
	Donouting yearlt
	Reporting result
7. a) Defin	ne the following terms as used in the laboratory.
i) L	Laboratory.
_	
ii) L	Laboratory rules.
_	
_	
b) Writ	te down any six (6) laboratory rules.
i) _	
ii)	
iii) _	
iv)	
v) _	
vi)	

M_{0}		
IVIa	tter exists into three main sta	tes, support your answer by providing three (3) examples in each
i)	Evamples	(state)
	Examples:-	
	a)	
	b)	
	c)	
ii)		(state)
11)	Examples:-	(Suite)
	a)	
	b)	
	c)	
iii)	Examples:-	(state)
	a)	
	b)	

	term First aid.	
during prac	student at Mivumoni Islamic Seminary was touching an electrical appliance with wet hat etical session, suddenly he got an electric shock. Describe the steps on how you offirst aid to him.	
i)		
ii)		
iii)		
iv)		
v)		
vi)		
vii)		
√rite down fi	ive (5) steps on how to operate portable fire extinguisher.	
(i)		
·)		
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