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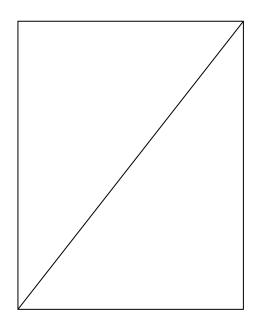
FORM 1	
CHEMISTRY	
END TERM EXAM – MARCH 20	016
TIME: 2 HOURS	

AT A B #TO	DD A TO	A TORIC NICO
NAME:	CLASS:	ADM NO:

INSTRUCTION:

- Answer all questions in the spaces provided.
- Writ your name, class and Adm no. in the space above.

STUDENTS' MARKS



1.	(a) State	e the use of the following apparatus in the lab.	(3 mks)
	a.	deflating spoon	
			• • • • • • • • • • • • • • • • • • • •
	b.	crucible	
	c.	a pair of tongs	
			•••••
	(b) Give	e 3 reasons why most laboratory apparatus are made of glass.	(3 mks)
			• • • • • • • • • • • • • • • • • • • •
		unsen burner also produces a luminous flame. Explain under what burner produce luminous flame.	conditions does (1 mk)
	(b) Exp	lain why luminous flame is basically bright yellow in colour.	(1 mk)
			•••••
	(c) Lum	ninous flame makes the apparatus dirty with soot when used for he	eating. Explain. (2 mks)
	•••••		• • • • • • • • • • • • • • • • • • • •
	•••••		• • • • • • • • • • • • • • • • • • • •
	(d) Wha	at is a flame?	(1 mk)
			• • • • • • • • • • • • • • • • • • • •
			• • • • • • • • • • • • • • • • • • • •
2.	(a) Defi	ine the following terms:	(4 mks)

b.	Chemistry	• • • • • • • • • • • • • • • • • • • •
0.	Drug abuse	
c.	Mixture	
d.	Drug	
(b) Stat	e 3 drugs commonly abused in Kenya apart from alcohol.	(3 mks)
(c) Stat	e 4 negative effects of drug abuse.	(4 mks)
•••••		•••••
(d) Exp	lain two reasons why we study chemistry as a subject.	(2 mks)
The diag	gram below shows changes of state that matter undergoes.	
	F	
	A C	
	<u>▼</u>	
C		
So		
Sc	B D	
So		
	B D	(2 mks)

(1 mk)

(b) Which of the above processes A, B, C D and E involves cooling?

(c) Give 3 examples of substances that undergo process E.	(3 mks)
(d) Name the physical processes.	(4 mks)
A	
Four athletes A, B, C and D were suspected of using NSAID and EPO drugs boosters to enhance their performance. Their blood samples were taken and an chromatography. The results obtained were recorded in the chromatogram bel	nalysed using
(a) State and explain two factors that determine the distance travelled by a sar filter paper.	mple along the (4 mks)
	•••••
	• • • • • • • • • • • • • • • • • • • •

4.

(2 mks)

(b) On the diagram above indicate the baseline and the solvent front.

		(2 mks)		
	(d) Which athlete(s) tested positive of use both EPO and NSAID drugs.	(2 mks)		
	(e) Which athlete had his blood sample negative of EPO and NSAID drugs?	(1 mk)		
	(f) Name a suitable solvent used in papers chromatography. (1 mk)	•••••		
5.	Briefly describe how a mixture iron fillings and sulphurs can be separated in t	the laboratory. (3 mks)		
		• • • • • • • • • • • • • • • • • • • •		
		•••••		
6.	(a) Name a suitable method of extracting oils from nuts and seeds.	(1 mk)		
	(b) Apart from extraction of oil, state two other applications of the method named in (a)			
	above.	(2 mks)		
7	Give the meaning of the following safety symbol.	(2 mks)		
١.				
1.				
<i>/</i> .	(a) (a)			

(2 mks)

8. Explain 2 major causes of most accidents in the lab.

• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	
•••••		•••••	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •
•••••	• • • • • • • • • • • • • • • • • • • •	•••••	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •