PRIMARY TEACHER EDUCATION SCIENCE MOCK ${\bf 2^1/_2}{\sf HRS}.$

SCIENCE MOCK EXAMINATION MARCH/APRIL 2018 TIME $2^1/_2$ HRS

1	,													
TIME 2 ¹	$^{\prime}2$ H	RS												
INDEX NODATE														
NAME_														
NAMECOLLEGE CLASS							SIGN							
INSTRUC	TION	OT N	CANDII	DATES										
1. Write	your	nam	ne and i	index num	ber in	the s	pace pro	ovic	le above	e.				
2. Sign a	nd w	rite t	the dat	e of the ex	amin	ation i	n the sp	ace	provid	ed al	oove.			
3. Write	you	colle	ge clas	s.										
4 .This q	uesti	ion p	aper co	nsists of T	wo se	ections	s: A and	В.						
5. Answe	er all	the	questio	ns.										
6. All an	swer	s MU	JST be v	written in t	the sp	ace pr	rovided.							
7. Do no	t rer	nove	any pa	ages from t	this b	ooklet								
FOR OFF	ICIAI	L USE	ONLY											
1		2		3		4		5			6		TO	TAL
										•				
SECTION	В													
7	8		9	10	11	L	12		13	1	4	15		TOTAL
GRAND '	TOTA	۸L												

SECTION A (60mks)Answer all the questions in this section in the space provided.

farming activities': the teacher took the lea	
Give two attitudes & two skills that were like	ly to be achieved during the les
Attitude	(2mks)
Skills	
State two methods the learners would use for the lesson.	r recording in the information d
	(2
Give two reasons why the teacher should en information during a science lesson.	courage learners to record (2
while teaching external livestock parasites the	e teacher asked the learners in
while teaching external livestock parasites the to make models of the parasites. Prepare a suitable marking scheme of which the finished products.	

Give two other methods of assessment suitable in this lesion.	(2mks)
Name one external livestock parasite which could be modeled in the less	
	(2mks)
Give the three types of questions.	(3mks)
State two purpose of maintain pupils progress record to the teacher.	(2mks)
State three differences between essay and objective tests.	(3mks)
Complete the following items by providing the key at A and distracters a Which one of the following examples of levers has the position of effort the load and fulcrum when in use.	
A(key)	(0)
B	
C	

Which level of ability is being tested by the item.	(1mk
One of the qualities of a good test is validity. What does it mean?	(1mk
Give two other qualities of a good test.	(2ml
Give two reasons why a Table of specification is important when ditem.	
	(2m

On the diagram label the parts A,B and C.	(3ml
Make one correction on the diagram the teacher should have done	e. (1ml
The diagram show below shows a means of heat transfer in a cerdemonstrated by a teacher	rtain medium
demonstrated by a teacher	
demonstrated by a teacher	
demonstrated by a teacher	
On the diagram indicate what the teacher would observe if the h continues for some minutes.	neating

	(1mk
Name the process that takes place after the heating continues	s. (1mk)
In reference to type of teaching aids used, give a reason why chooses the demonstration method of teaching?	the teacher (1mk)
A teacher taught STD IV learners the sub-topic problems related the dynamic approach. He used posters and models of human	-
Explain why the dynamic approach of teaching science was approach.	opropriate for this (2mks)

c)	Define the term science. (2mks)
6a)	While teaching vegetable propagation in plant, a teacher decided to take STD 8 pupils to the school farm.
i)	Other than a lesson plan, state two preparations the teacher should make before the lesson. (2mks)
ii)	State two disadvantages of this method of teaching to the learners. (2mks)
b)	In a lesson to investigate the rate of soil drainage, a class teacher provided the
טי	pupils with dry loam soil, a watch, water a funnel, cotton wool and a measuring cylinder. Draw a labeled diagram of a set up that could be used to investigate water drainage and retention of the given soil in the space provided. (2mks)

c)	Support the statement below with two reasons "science should be taught primary school" State two importance of teaching practice to a science teacher trainee.									nt in	
d)										(2mk)	
SECTI	ON B (40mks) Answer all the questions in this se	ction	in th	ne sn	ace i	orovi	ded				
7.	The table below shows the population of cheaters verse that of gazelle thousands in savannah grassland as observed in an investigation in a of a year.								ation		
	Months of the year	J	F	М	Α	М	J	J	Α	S	0
	Population of cheaters	15	27	30	28	22	19	16	11	32	31
	Population of gazelles.	89	90	97	92	90	82	72	56	101	103
	N D 28 24 106 107										
a)	On the grid provided draw a bar quantity against the months of the year on				•	latior	of o	cheet	ahs,	gazell	es
										(4n	nks)
b)	The cheetahs and the gazelles are	e in v	what	kind	of re	elatio	nship	o in t	hat e	cosys (1n	
c)	What could have contributed to the month of September give 4 re			n rise	in th	ne po	pula	tion	of ga		in mk)
										•	,

The diagram below represents a set up that was used in preparadioxide.	ation of carbo
Label chemical P.	(1n
State one mistake in the above set-up.	(1n
Give the reasons why carbon dioxide is used in fire extinguisher	s. (1n
The diagram below (not drawn to scale) represents a single made be used to move a rock.	chine that co
On the diagram indicate the position of the effort and the fulcrur	m. (1ı
If the mechanical advantage is 40, what force in Newtons Law w	ould be need
to move the rock.	(1n

The floor of a bathroom should be scrubbed thoro	oughly and regularly. (1mk
The radius of a handle of a wheel is much larger t winch.	han radius of the axle in a (1mk)
Explain how atmospheric pressure makes it possi petrol from a tank using a hose pipe.	ble for a person to draw out
	(ZIIIR
The figure below shows the shape of a drop of me	
The figure below shows the shape of a drop of me	
The figure below shows the shape of a drop of me	

	State two importance of feeding an infant using breast milk.	(2mks
	Explain the principal behind use of honey in preserving food.(1mk)	
	Give two methods of controlling weeds.	(2ml
_	State two ways in which the lungs are adapted to their function.	(2ml
F	Functions of plasma in the human circulatory system.	(2mk
	he diagram below shows some setups in transferring electricity as a fonergy.	rm of

i)	Name parts labeled A and B.	(2mks)
i)	A	
ii)	B	
iii)	Give the types of circuit the cells are arranged in.	(1mk)
13.b)	A teacher gave her pupil the table given below to fill. Compl	lete the table by

entering the appropriate data.

Characteristic of soil	Smooth particles Tiny particles		Average sized particles,red
	, ,		Brown in colour
Types of soil		sand	loam

(No questions)

one (1mk)
)
(1mk