Name	Index No
	Class
	Candidate's Signature
2012	Date
P1 SCIENCE	
PTE MOCK	
MARCH 2018	

PRIMARY TEACHERS MOCK EXAMINATION SCIENCE 2½ HOURS

INSTRUCTIONS TO CANDIDATE

TIME: 2 ½ HOURS

- 1. Write your name, class and Index number in the spaces provided above.
- 2. Sign and write the date of the examination in the spaces provided above
- 3. This paper consists of TWO sections A and B
- 4. Answer **ALL** questions
- 5. All answers MUST be written in the spaces provided in this question paper.
- 6. Do NOT remove any pages from this question paper
- 7. Candidates should answer the questions in English.

FOR EXAMINER'S USE ONLY

SECTION A

Question	1	2	3	4	5	6	Total Score
Candidates' Score							

SECTION B

Question	7	8	9	10	11	12	13	14	15	Total Score	GRAND TOTAL
Candidates' Score											

This paper consists of 13 printed pages

Candidates should check the paper to ascertain that all the pages are printed as indicated and that no questions are missing

©2018 KGO Mock Examination

SECTION A: (60 MARKS)

Answer ALL the questions in this section in the spaces provided.

a)	Copic: Reproduction in plants Subtopic		(1 mark)
a)	Suotopic		(1 mark)
b)	Knowledge objective		(2 marks)
c)	Skill objective: By the end of parts of a flower. Learning resources i) Flowers	f the lesson the learne	er should be able to draw and label the
	ii)		
d)	iii)		
d)			
<u> </u>	iii) Lesson presentation		(1 mark) (2 marks)
ĺ	iii) Lesson presentation Introduction		(1 mark) (2 marks)
ĺ	iii) Lesson presentation Introduction		(1 mark) (2 marks)
ĺ	iii) Lesson presentation Introduction		(1 mark) (2 marks)
ĺ	iii) Lesson presentation Introduction		(1 mark) (2 marks)
ĺ	iii) Lesson presentation Introduction		(1 mark) (2 marks)
e)	iii) Lesson presentation Introduction ners activities	Learners activ	(2 marks) vities

-	conclusion	note main parts of a flower	
	- Review main parts of a flower		
2.	During a science lesson on HIV and AIDS, a standard importance of testing for HIV and AIDS.	d VI learner asked the teache	er the
a)	Name one scientific attitude this learner had develop	ped	(1 mark)
b)	State four reasons why testing for HIV and AIDS is	important	(4 marks)
C	State three reasons why it is sometimes necessary asked by learners in class back to them.	for the teacher to redirect qu	(3 marks)

Learners draw and label parts of a

flower

iii) Guide learners to draw and label parts of a

flower

iv)

d)	The teacher divided the class into groups to discuss the importance of testing for HIV i) State one precaution the teacher should give to the learners before the discussion
	(1 mark)
	ii) State one other suitable practical method of teaching this content (1 mark)
e)	Name two care and support measures that should be offered to persons living with HIV and AIDS. (2 marks)
m Te	tandard seven pupils wanted to find out which materials conduct electricity. The following laterials were available for the investigation. orch cells, bulbs, pieces of copper wire, pieces of aluminum, plastic paper, glass wood d rubber.
,	Draw and label a set up which can be used to check whether the materials conduct lectricity. (2 marks)

State three instructions that the teacher would give to the pupils to en out the investigation using the set up.	(3 marks)
Name two skills which the learners would develop as they carry out th	e investigation. (2 marks
Give one reason why it may be necessary to conduct this investigation in	n groups (1 mark
State the energy transformations in the investigation	(2 marks)
ne string on the period of the swing of a pendulum.	
For the problem in 4 (a) above, suggest a hypothesis	(1 mark
Name two variables that need to be controlled in this investigation	(2 marks

	State the appropriate method that the learners would use to record the result investigation	(1 mark)
e)	Give two other methods of recording information in science	(2 marks)
f)	State three reasons why it is important to record observations in science	(3 marks)
	The diagram below represents a set up that was used to demonstrate a certain Matter	property of
	The property demonstrated was A Air occupies space	
	B Water exerts pressure C Air exerts pressure D Water occupies space	
	Ability tested	
	Ability tested	_ (2 marks)

	c)	Explain the meaning of the following terms as used in test development	
		i) Objectivity	(1 mark)
		ii) Differentiality	(1 mark)
	d)	State two reasons why continuous assessment in science is important to	o the learner
			(2 marks)
6.	a)	A science teacher decided to engage his learners in an experiment to in water is necessary for germination.	vestigate whether
		i) State four roles of the teacher during the experiment	(4 marks)
		ii) State three advantages of using the experimentation method	(3 marks)
			(6 1101113)

Δn		SECT: Answer ALL the question ent was carried out to test	ns in	this so	ection i	in the	_	_		on the	rate
	-	thesis. The results are give					Oxide	concen	itration	On the	raic
		CO ₂ concentration (arbitrary units)	0	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08
		Rate of photosynthesis (Bubbles in Oxygen)	0	2	4	6	8	9	10	10	10
b)	Account between:	for the shape of the graph	whe	en the o	concen	tration	of carl	bon die	n (iv) o	`	arks)
b)	Account	for the shape of the graph	whe	en the o	concen	tration	of carl	bon die		/as	arks) arks)
b)	Account between:	for the shape of the graph	whe	en the o	concen	tration	of carl	bon die		/as	ŕ
b)	Account between: i) 0 and	for the shape of the graph	whe	en the o	concen	tration	of carl	bon die		/as (2 m	ŕ
b)	Account between: i) 0 and	for the shape of the graph	whe	en the o	concen	tration	of carl	bon die		/as (2 m	arks)

b)	In a wheel and axle machine, the diameter of the wheel is 20cm while that 2.5cm. Calculate the velocity ratio of the wheel and axle machine.	of the axle is (2 marks)
9. ′	The pie chart below represents the components of air by volume.	
a)	Name the gases represented by the letters:	
	Q	
	R	(3 marks)
b)	Which component of air would have a drastic effect on temperature if its voincreased significantly.	lume was (1 mark)

a)	Explain how the se-up works	(4 marks)
11. a)	State two chemical properties of an acid	(2 marks)
b)	Explain why melting of candle wax is a physical change.	(2 marks)

10. The diagram below shows a set-up that can be used as a fire alarm.

2. a,	Distinguish between the terms genes and chromosomes	(1 mark)					
b)	The figure below illustrate the human eye						
	i) Name the part labeled X	(1 mark)					
	ii) Name and describe the function of the part labeled Y Name:						
	Description:						
		(1 mark					
3. 1	The diagram below shows a simplified set up which can be used to purify water.						
a)	Explain how the set up is used to remove hardness of water	(2 marks)					

b) State two disadvantages of hard water	(2 marks)
. The diagram below represents an instrument that is used to measure an aspect of	of weather
	(2
a) Name the instrument and aspect of weather it measures Name:	(2 marks
Aspect of weather:	
b) Explain why the instrument is sunk into the ground and the top of funnel left the ground level.	30cm above (2 marks)
5. State one way in which each of the following is adapted to its habitat a) Cactus	(4 marks

b) Wate	er lily			
c) Came	el			
d) Fish				