

KAMPALA PRIMARY SCHOOLS' SKYLINE EXAMINATIONS™

P.L.E – 2022

Set 04 (FINAL)

INTEGRATED SCIENCE AND HEALTH EDUCATION

Time Allowed: 2 hours 15 minutes

Index No.

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Candidate's Name:.....

Candidate's Signature:.....

School Name:.....

District Name:.....

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Read the following instructions carefully;

1. The paper has **two Sections: A and B.**
2. Section **A** has **40 short questions (40 marks).**
3. Section **B** has **15 questions (60 marks).**
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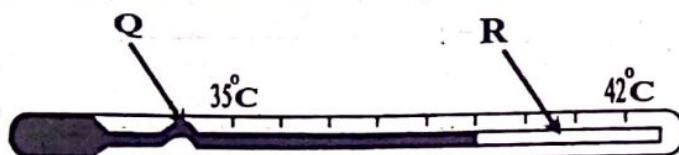
**FOR
EXAMINERS'
USE ONLY**

FOR EXAMINERS' USE ONLY		
Qn. No.	MARK	SIGN
1 – 10		
11 – 20		
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31 – 40		
41 – 43		
44 – 46		
47 – 49		
50 – 52		
53 – 55		
TOTAL		

SECTION A

1. Which body organ is responsible for hearing?
.....
2. Give the use of a garden fork to a crop farmer.
.....
3. State the importance of grit in fowls' gizzards.
.....
4. Mention **one** characteristic of enzymes found in your body.
.....

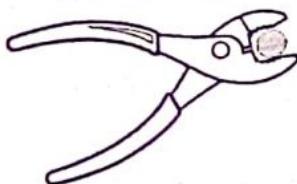
Study the diagram below and answer the question that follows.



5. Name part **Q** of the clinical thermometer above.
.....
6. Why is an axe said to be a simple machine?
.....
7. How can hailstones be a hazard to flowering cereal crops?
.....
8. Where does digestion of proteins start from in a human body?
.....
9. Which part of a plant usually responds to phototropism?
.....
10. Give the chemical substance that is used while finding out whether a leaf has starch.
.....
11. What is the gestation period of a sow?
.....
12. Which insect pest affects maize plants in the garden?
.....
13. Who is a drowned person?
.....
14. Identify **one** type of machine used for measuring mass.
.....
15. What causes goiter to some people?
.....

16. What biological means may Wandera who has a water pond near his homestead use to prevent malaria infection?
17. Why is a maize grain said to be a fruit?
18. State a reason for immunizing children up to age of 5 years.
19. Write down the role of cilia in the nostrils.
20. Give a reason why digestion cannot take place in the colon.
21. Why do some objects sink in water?
22. State a reason why drugs should be kept out of reach of children.

Study the diagram below and use it to answer question 23.



23. Identify the class of simple machine at the side.

24. Which reptile changes colours of its body as it moves from one place to another?

25. Why should rabbits be given hard things to bite alongside their feeds?

26. Give the temperature of an object as 104°F . Convert it to degrees centigrade.

27. What is a hog in sheep rearing?

28. Why do objects thrown in air fall back on the ground?

29. Give the name of the bone that separates the ribs in the ribcage.

30. What example of insect uses mandibles for feeding?

31. Give a word that describes the changes that happen due to nature.

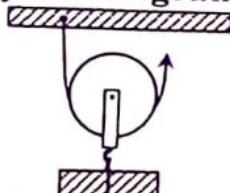
32. Why do insects or some reptiles molt?

.....
33. Name the mineral that enables the enamel to develop.

.....
34. Where in the urinary system does urine collect before being passed into the urinary bladder?

.....
35. Why is colostrum very useful for a calf?

Study the diagram below and use it to answer question 36.



.....
36. What is the advantage of using such a moveable pulley?

.....
37. Write ARVs in full.

.....
38. How is the Eustachian tube useful in the human ear?

.....
39. Give **one** example of an insect that undergoes incomplete metamorphosis.

.....
40. Briefly describe how the Ebola virus can be transmitted from person to person.

SECTION B

41. a) Give any **one** use of bee wax to people.

.....
b) Mention **two** methods used for extracting honey.

(i)

(ii)

.....
c) Why should an apiary need to be set near flowering plants?

.....
42. a) What aids chemical digestion to take place in the mouth, stomach and duodenum?

.....
b) Under which conditions are proteins digested best?

.....
c) Give the function of the villi in the ileum.

.....
d) State the process by which soluble digested food joins the blood stream via the villi.

Study the diagram of a homestead below and answer the following questions.



43. a) Name the equipment labeled Y on the house above.

.....
b) What is the use of equipment labeled Y?

.....
c) Which type of energy is produced by the equipment labeled Y on the house?

.....
d) State one advantage of using the type of energy you have mentioned in (c) above.

44. a) Identify two types of energy.

(i)

(ii)

b) State the energy possessed by a nail driven into a wall.

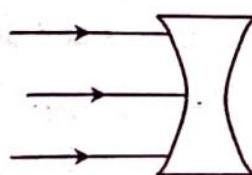
.....
c) Give one characteristic of energy.

45. a) Which type of lens is used for correcting long sightedness?

.....
b) State the importance of a magnifying glass to a pupil studying science.

.....
c) Under which principle does a lens camera operate?

.....
d) Show the effect of light in the given lens by completing the diagram.



46. a) What is soil conservation?

b) In which two ways can crop rotation be a better method of soil conservation?

(i)

(ii)

c) Write down any one common harmful material to the soil.

.....

47. a) What is immunity?

.....

.....

b) Which vaccine is given to the following persons to prevent tetanus:

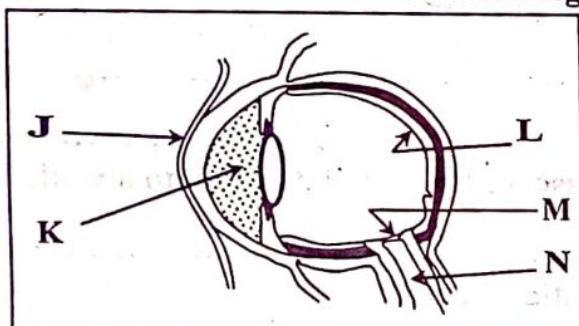
(i) infants:

(ii) expecting mothers:

c) Why is DPT vaccine said to be a triple vaccine?

.....

Study the diagram below and use it to answer the following questions.



48. a) How is part marked L useful to the human eye?

.....

b) Name part marked K.

.....

c) State the role of a lens in the above eye.

.....

d) Mention the food deficiency disease that can affect human eyes.

.....

49. a) Give one difference between dicotyledonous plants and monocotyledonous plants.

.....

.....

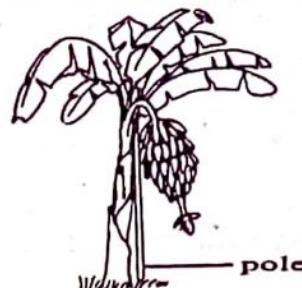
b) Write down two examples of spore bearing plants.

(i)

(ii)

c) What similarity exists between conifers and cereals?

Study the diagram below and answer the questions that follow.



50.a) Identify the plant in the diagram above.

b) Name **one** disease that affects the above plant.

c) Why do you think a pole is important to the above plant?

d) What do we call the process of putting such a pole on this plant?

51. a) Name the germ that causes polio disease.

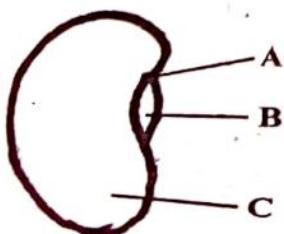
b) At which period (interval of time) is the third dose of polio given?

c) Give **one** sign a victim of polio disease may have.

d) Where is the polio vaccine administered in a 10 year old boy?

Study the diagram of a bean seed and answer the questions that follow.

52. a) Name part marked A



the main part marked A.

b) What is the function of part marked B

c) How does the germination of the bean seed differ from that of a maize seed?

d) Where does a bean seed store its food?

53. a) Why do sheep farmers rear Merino sheep?

.....
b) Explain what each of the terms below mean in sheep farming:

(i) Shearing:

(ii) Docking:

.....
c) Mention any **one** external parasite that affects sheep.

54. a) State the **two** effects of heat gain on matter.

(i)

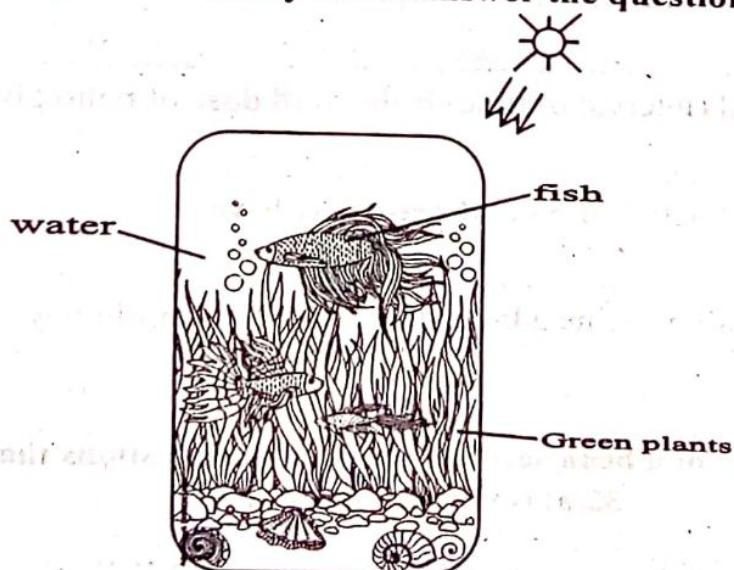
(ii)

.....
b) Write down any **two** effects of heat loss on matter.

(i)

(ii)

Below is a home aquarium. Study it and answer the questions that follow.



55. a) What gas do the fish in the aquarium breathe in?

.....
b) What gas do the plants in the aquarium breathe in?

.....
c) What happens to the fish when the plants are removed from the aquarium?

.....
d) What happens to the plants when the fish are removed from the aquarium?

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SOCIAL STUDIES AND RELIGIOUS EDUCATION

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SECTION A

1. What main line of latitude crosses through Uganda?
.....
2. Mention any **one** aspect of climate that encourages human settlement.
.....
3. Give any **one** danger the government faces in revenue collection.
.....
4. How did the introduction of the printing press ease the work of the missionaries?
.....
5. Why did the early man mainly settle along river banks?
.....
6. Mention any **one** safety tool used by travellers on water.
.....
7. How did the Boer migration into the interior of South Africa affect the African natives?
.....
8. What factor delayed independence of most African countries?
.....
9. Mention any **one** way mobile phones have improved the lives of the people in your area.
.....
10. Write any **one** importance of by-laws in a community.
.....
11. State any **one** role played by NEMA in Uganda.
.....
12. Mention the best form of transport for raw materials to the industrial areas?
.....
13. What does the map symbol represent?

.....
14. Why would you advise Somalia to join the East African Community?
.....
15. Give **one** danger of mob justice in a community.
.....
16. Why is marriage considered a social activity?
.....

17. Mention any **one** reason why the government is discouraging rice growing in swamps.
-
18. Write any **one** way the government can improve livelihoods of people.
-
19. Who designed the Uganda Coat of Arms?
-
20. In which way is the rift valley similar to Mt. Rwenzori in terms of formation?
-
21. Give any **one** role played by the District Agricultural Officer.
-
22. Write down any **one** example of a public holiday in Uganda.
-
23. State any **one** danger of some traditional customs and culture.
-
24. How has the great man-made river been beneficial to the people of Libya?
-
25. Mention the main economic activity done by the Turkana of Kenya.
-
26. State any **one** cause of child abuse in some schools in Uganda.
-
27. Give any **one** danger of using polyethylene bags to the soil?
-
28. Why did Tanzania gain independence earlier than Uganda and Kenya?
-
29. Name the largest game park in East Africa.
-
30. How did the domestication of a dog improve the life of early man?
-
31. What factor makes human settlement difficult on top of high mountains?
-
32. Of what economic value is the Suez Canal to Egypt?
-
33. State any **one** way of reducing global warming.
-

34. Why does North Eastern Uganda experience semi-arid conditions?

.....
35. What does the term "swamp drainage" mean?

For each question 36 to 40, answer Either Christianity Or Islam But Not Both. No marks will be awarded to a candidate who attempts both alternatives.

36. **Either:** In what way can a Christian help to promote peace in the world?

.....
Or: Give any **one** way Muslims can help to promote world peace.

37. **Either:** How were the parents of Jesus Christ able to save him from King Herod?

.....
Or: How was Prophet Mohammed able to save himself from the pagans of Mecca?

38. **Either:** Mention any **one** miracle that was performed by Elisha the prophet.

.....
Or: Mention the miracle that was performed by Prophet Isa as an infant.

39. **Either:** State any **one** way lent is important to a Christian.

.....
Or: Write **one** event that took place during Ramadhan according to Islamic teaching.

40. **Either:** In which way was Adam created different from other creatures God created?

.....
Or: In which way was Adam created different from other creatures of Allah?

SECTION B

41. (a) Mention the wind that brings rain in the Mediterranean communities.

.....
(b) State **two** factors that have favoured the growing of citrus fruits in Mediterranean regions.

(i).....

(ii).....

(c) Why do trees in Mediterranean regions have very waxy leaves?

42. (a) Write a brief sentence about each of the following Pan-Africanists:

(i) William Tolbert:

(ii) Henry S. Williams:

(b) Give any **one** method that was used by Pan-Africans in their struggles.

.....
(c) How did Pan-Africanism lead to the rise of African nationalism?

.....
43. (a) Name the rebellion in East Africa that was organized using the magic water of R. Rufiji.

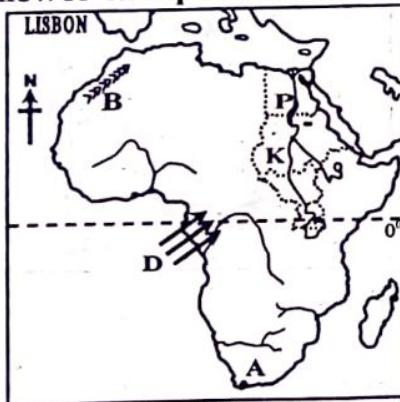
.....
(b) Who was the leader of the above rebellion?

.....
(c) State any **two** factors that led to the above rebellion.

(i).....
.....

(ii).....
.....

Use the map of Africa to answer the questions that follow.



44. (a) Name the following: country marked K, lake marked P and trade winds D;

K P D

(b) How do trade winds influence the climate in East Africa?

.....
45. (a) What is child abuse?

.....
(b) Give any **two** forms of child abuse.

(i)..... (ii).....
.....

(c) Write **one** way child abuse can be reduced in our communities.

.....
46. (a) State any **two** ways courts of law are important to a country.

(i).....
.....

(b) Under which arm of government are all courts of law?

(c) In which way does parliament help courts of law to perform their duties?

47. (a) What does the term **climate** mean?

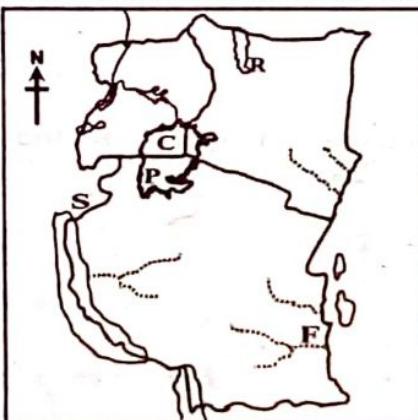
(b) Give any **two** ways climate affects people's way of living.

(i).....

(ii).....

(c) In which climatic region of Africa do people build houses with flat roofs?

Study the map of East Africa below and answer the questions that follow.



48. (a) Name the river marked F.

(b) What is the main importance of inland port marked P?

(c) What type of climate is experienced by people living in the northern area of lake C?

(d) Identify the capital city of country marked S.

49. (a) Under which ministry is the decentralization program?

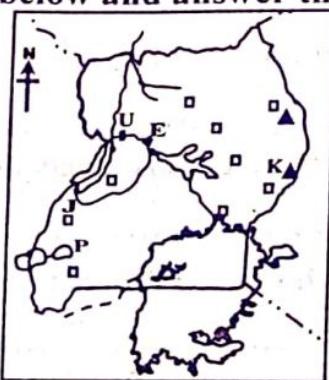
(b) Give any **two** ways decentralization benefits the people in a particular area.

(i).....

(ii).....

(c) State any **one** challenge facing the decentralization policy in Uganda.

Study the map of Uganda below and answer the questions that follow.



KEY
▲ Mountain
□ Cities
~~~~ Waterfalls

50. (a) Name the waterfalls marked U.

.....  
(b) Identify one of the new cities in Uganda marked J.

.....  
(c) How can government improve on the major economic importance of lake marked P.

.....  
(d) Give one problem faced by the people living around mountain marked K.

For each question 51 to 55, answer Either Christianity Or Islam But Not Both. No marks will be awarded to a candidate who attempts both alternatives.

51. **Either:** "For I was hungry and you gave me food, I was thirsty and you gave me to drink, I was a stranger and you welcomed me." (Mathew 25:35)

(a) Who said those words?

.....  
(b) To who were those words said?

.....  
(c) State any one benefit of giving to the following:

(i) the giver: .....

(ii) the given (receiver): .....

**OR:** "And those within whose wealth is a known right. For the petitioner and the deprived. Surat Al-Ma'arij (70): 24:25

(a) Who said those words?

.....  
(b) To who were those words said?

.....  
(c) State any one benefit of giving to the following:

(i) the giver: .....

(ii) the given (receiver): .....

**52. Either:** (a) Name the criminal who was released in place of Jesus Christ.

(b) Mention two extra-ordinary things that happened after the death of Jesus Christ.

(i)..... (ii).....

(c) What evidence is there to show that Jesus loved sinners?

**OR:** (a) Name the uncle who raised Prophet Mohammed (PBUH).

(b) Mention any two things that happened to Prophet Mohammed (PBUH) during Al-miraj.

(i)..... (ii).....

(c) How did Prophet Mohammed (PBUH) show love to his followers?

**53. Either:** (a) Name one symbol of the Holy Spirit in the Bible.

(b) Mention two activities of the Holy Spirit in the early church.

(i)..... (ii).....

(c) How important is the Holy Spirit to a Christian?

**OR:** (a) Mention any one title given to Prophet Mohammed (PBUH).

(b) Give any two ways Allah shows his power to humanity today.

(i)..... (ii).....

(c) How is Tasbih important to a Moslem?

**54. BOTH:** (a) Write any two ways believers remember their dead.

(i).....

(ii).....

(b) Why shouldn't a Christian or Moslem fear death?

(c) How did death come into the world according to Christianity or Islamic teaching?

**55. BOTH:** (a) Give two acts of faith among believers.

(i)..... (ii).....

(b) Write two benefits of having faith in God / Allah.

(i).....

(ii).....