

KAMPALA PRIMARY SCHOOLS' SKYLINE EXAMINATIONS™

MOCK 2023

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:

DO NOT OPEN THIS BOOK LET UNTIL YOU ARE TOLD TO DO SO.

**FOR
EXAMINERS'
USE ONLY**

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).
4. Attempt **ALL** questions. All answers to both Sections **A** and **B** must be written in the spaces provided.
5. All answers must be written using blue or black ball-point pen or ink. Only diagrams and graphs work may be done in pencil.
6. Unnecessary alteration of work will lead to loss of marks.
7. Any handwriting that cannot easily be read may lead to loss of marks.
8. Do not fill anything in the boxes indicated for examiners' use only.

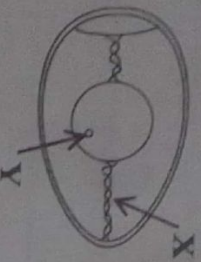
**FOR EXAMINERS'
USE ONLY**

| Qn. No. | MARK | SIGN |
|---------|------|------|
| 1 – 10 | | |
| 11 – 20 | | |
| 21 – 30 | | |
| 31 – 40 | | |
| 41 – 43 | | |
| 44 – 46 | | |
| 47 – 49 | | |
| 50 – 52 | | |
| 53 – 55 | | |
| TOTAL | | |

SECTION A

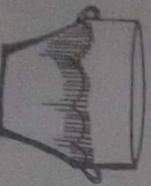
1. Why are teeth essential in the digestion of food?
.....
2. Give a reason why sand soil cannot retain water for a long time.
.....
3. Apart from hearing, give any other function of ears to your science teacher.
.....
4. Why shouldn't your parents and guardians buy drugs from shops?
.....
5. What are the suture bones?
.....

Study the diagram below and use it to answer question 6.



6. Name part X of a fowl's egg.
.....
7. Which example of poultry birds are reared for both meat and eggs?
.....
8. Give a reason why rusting and burning are regarded as chemical changes.
.....
9. Why do you think a fuse is said to be a safety device in a circuit?
.....
10. Give any one principle of PHC.
.....
11. Mention any one ecto-parasite that affects pigs.
.....

Study the diagram below and use it to answer question 12.



12. To which group of musical instruments does the given musical instrument belong?
.....
13. Give one method used for preserving written sound
.....
14. Who is a convalescent person?
.....
15. Why are rodents said to be nocturnal mammals?
.....

16. Why is it advisable to clean our ears with a soft cloth that is very clean?

17. Give the food deficiency disease that affects the human skeletal system.

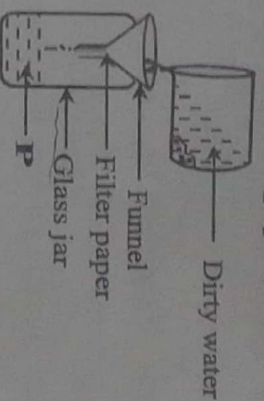
18. Mention the function of the alveoli in the human lungs.

19. How can a farmer identify a rabbit that is on heat?

20. State one characteristic of a physical change.

21. Why do houseflies lay eggs in decomposing matter?

Use the diagram below for answering questions 22. and 23.



22. Name the above method used for obtaining clean water.

23. What name is given to substance P?

24. Mention one activity done in a poultry house.

25. Write HIV in full.

26. Why does a medical worker taking the temperature of patients using a clinical thermometer place the thermometer in a tube which has alcohol?

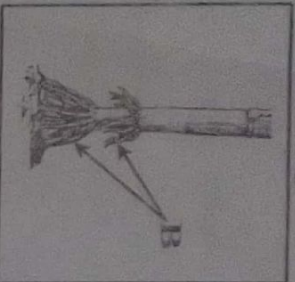
27. Mention the electric device that uses both magnetism and electricity.

28. What form of energy causes evaporation to take place?

29. How is the septum important in the heart?

30. Mention the most radioactive substance used for production of nuclear energy.

Use the diagram below to answer question 31.



31. Name the type of roots marked B.

32. State any **one** effect of smoking to an individual.

33. How many milk teeth does an infant have?

34. State a reason why crop rotation is a better method of maintaining soil fertility.

35. Which element of PHC helps to prevent infants from infectious diseases?

36. By which process does smoke move through the chimney in a kitchen?

37. Mention the device that converts electric energy into mechanical energy.

38. State **one** way in which a sickle can be useful to a farmer.

39. How can PLASCY message be of importance to Primary Seven Candidates?

40. Why are a spiny ant eater and a duckbilled platypus said to be mammals?

SECTION B

41. (a) Give any **one** example of a bird of prey.

(b) What **two** features enable birds of prey to trap what they feed on easily?

(i)

(ii)

(c) Mention the importance of a crop to a bird.

42. (a) What is soil exhaustion?

(b) Mention any two causes of soil exhaustion.

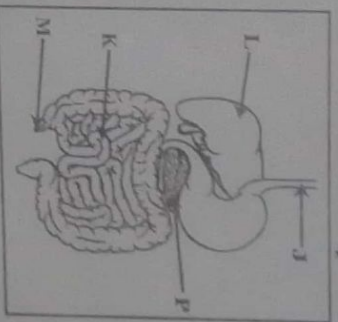
(i)

(ii)

(c) Give one way of controlling soil exhaustion.

.....

Study the diagram below and answer questions that follow.



43. (a) Where is saliva produced in the mouth?

.....

(b) Mention the place digestion of proteins begins from.

.....

(c) Identify the enzyme produced at P responsible for speeding up digestion of fats.

.....

(d) What structures in part K are responsible for absorbing the soluble digested food?

.....

44. (a) Why do some objects float on water?

.....

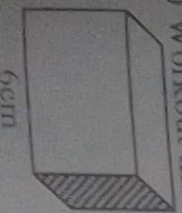
(b) What quantity of water do floating objects displace?

.....

(c) Mention one example of an object that can float on water.

.....

(d) Work out the volume of the cuboid given of the area of the shaded face is 20cm^2 .



6cm

45. (a) Write down the germs the following vectors transmit to people:

.....

(i) Fresh water snail:-

.....

(ii) Female anopheles mosquito:-

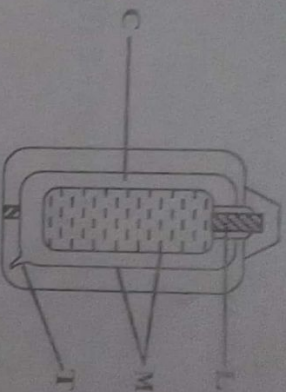
.....

(b) Mention one way cockroaches can be avoided at a homestead.

.....

(c) Why should people need to drink mainly boiled water?

Use the given diagram below for answering questions given below



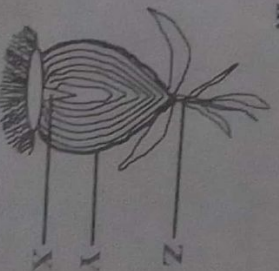
46. (a) Name part marked T

(b) How does part L prevent heat loss?

(c) Why is part C said to be a vacuum?

(d) Give the importance of the above piece of equipment to a mother with a baby.

Below is a diagram of an onion.



47. (a) Name part marked Z.

(b) In which part of the onion is food stored?

(c) Under what group of plants are onions?

(d) How are onions propagated?

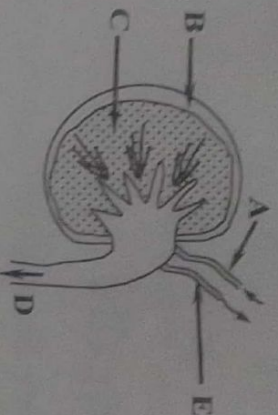
48. (a) What is pitch of sound?

(b) State two factors that may determine the pitch of

sound produced

- (c) Give one way echoes can be prevented in cinema halls or theatres.

Use the ~~given~~ diagram below for answering questions that follow



49. (a) To which body system does the organ above belong?

- (b) State the difference in blood transported by vessels A and E.

- (c) Name part C.

- (d) Where does the arrow D lead into?

50. (a) How can child spacing be of importance to a family?

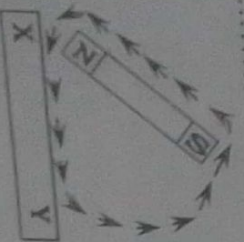
- (b) Write down any two problems a mother who does not practice child spacing may have.

- (i)

- (ii)

- (c) What permanent birth control method may some mothers choose to use?

51. (a) Give one example of a natural magnet.



- (b) What will the pole of soft iron at Y become?

- (c) What method is used for producing the temporary magnet above?

- (d) Mention any one use of magnets to people.

52. (a) What germ causes measles?

(b) Give any **one** symptom and **one** sign a victim of measles have.

(i) Symptom:-

(ii) Sign:-

(c) What vaccine is given at 36 weeks to prevent measles?

The diagram below is of a lever. Study it and answer questions that follow.



53. (a) Identify the machine above.

(b) Workout the distance **K** in metres.

(2marks)

(c) How far is Mukasa from Babirye?

54. (a) What name is given to the first milk produced by a cow?

(b) Give **one** importance of the above mentioned milk to a calf.

(c) State **one** value of a calf pen.

(d) When can a dairy farmer have "drying off" practice?

55. Match List A with List B correctly.

| LIST A | LIST B |
|-----------|--|
| Internode | A male part of a flower |
| Pistil | Germinating cotyledons come above the soil |
| Epigeal | A space between two leaf stalks on a stem |
| Stamen | A female part of a flower |

(a) Internode:-

(b) Pistil:-

(c) Epigeal:-

(d) Stamen:-