



THE REPUBLIC OF UGANDA

TAAND EXAMINATIONS BOARD

CONTINUOUS ASSESSMENT EXAMINATION TERM III, 2022

PRIMARY FIVE

INTEGRATED SCIENCE *(Abridged Curriculum)*

Time Allowed: 2 hours 15 minutes

Name:

Signature:

School:

District:

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

Read the following instructions carefully:

1. This paper is made up of **two** Sections: A and B.
2. Section A, has **40** short-answer questions (**40 marks**)
3. Section B has **15** questions (**60 marks**)
4. Answer **ALL** questions. All answers to both Sections A and B **MUST** be written in the spaces provided.
5. All answers **MUST** be written using a blue or black ball-point pen or ink. Only diagrams should be done in pencil.
6. Unnecessary alteration of work may 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 space marked "Examiners' use only"

FOR EXAMINER'S USE ONLY

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

Turn Over



THE REPUBLIC OF UGANDA

TAAND EXAMINATIONS BOARD

CONTINUOUS ASSESSMENT EXAMINATION TERM III, 2022

PRIMARY SIX INTEGRATED SCIENCE *(Abridged Curriculum)*

Time Allowed: 2 hours 15 minutes

Name:

Signature:

School:

District:

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

Read the following instructions carefully:

1. This paper is made up of **two** Sections: A and B.
2. Section A, has **40** short-answer questions (**40** marks)
3. Section B has **15** questions (**60** marks)
4. Answer **ALL** questions. All answers to both Sections A and B **MUST** be written in the spaces provided.
5. All answers **MUST** be written using a blue or black ball-point pen or ink. Only diagrams should be done in pencil.
6. Unnecessary alteration of work may lead to loss of marks.
7. Any handwriting that cannot easily be read may lead to loss of marks.

FOR EXAMINER'S USE ONLY

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

SHOT ON itel

AI DUAL CAMERA

For examiners' use only

Turn Over

(b) Give any **two** characteristics of chemical changes.

(i) _____

(ii) _____

50. (a) Write **one** use of heat in a home.

(b) Mention any **two** sources of heat.

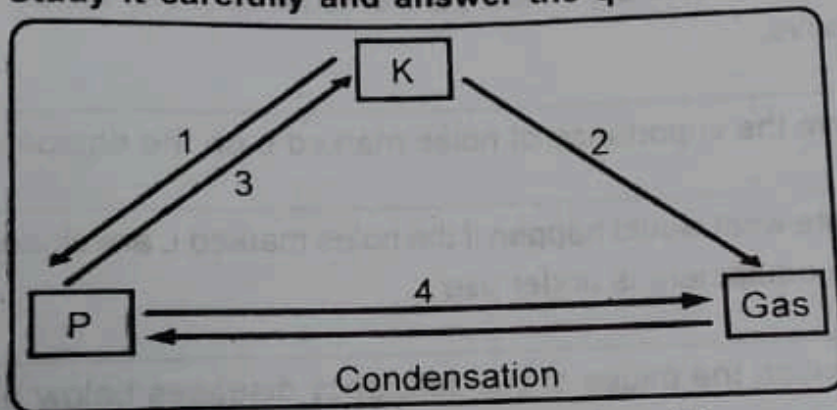
(i) _____

(ii) _____

(c) Name the process by which water turns to steam.

51.

Below is an illustration showing changes in states of matter. Study it carefully and answer the questions that follow.



(a) Name the states of matter marked K and P.

(i) K _____

(ii) P _____

(b) Identify the changes in state labelled 2 and 3.

(i) 2 _____

(ii) 3 _____

52. (a) Write PHC in full.

(b) Write down any **two** elements of PHC.

(i) _____

(ii) _____

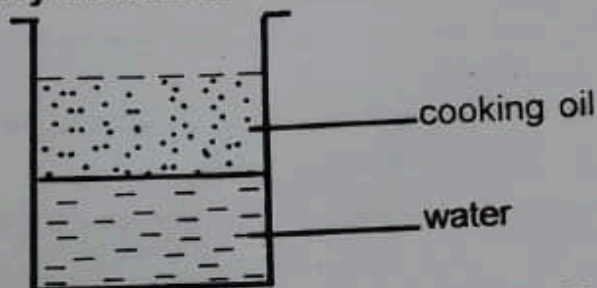
(c) Suggest **one** way of controlling diseases in our communities.

SECTION A: (40 Marks)

Questions 1 to 40 carry one mark each.

1. Give **one** way how soil is formed.
2. Name any **one** disease spread by houseflies.
3. Identify the gas used in fire extinguishers.
4. Write **one** example of pests that attack stored crops.
5. Suggest **one** way a P.5 child can keep his / her body clean.

A P.5 pupil poured cooking oil and water in the same tin and they settled as shown below.

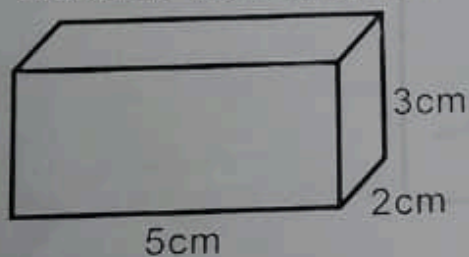


6. Why did cooking oil settle on top of water?
7. Name the type of energy possessed by a rolling stone.
8. Define the term soil erosion.
9. Give **one** example of vulnerable groups of people.
10. Write down **one** method of preserving food.
11. Name the bacteria that cause typhoid.
12. Of what use is a clinical thermometer to a medical doctor?
13. Suggest **one** way of preventing metallic garden tools from rusting.
14. Give any **one** example of a leguminous crop.



SHOT ON itel
AI DUAL CAMERA

15. Name **one** method farmers use to plant seeds.
16. Identify **one** disease that is prevented by drinking boiled water.
17. Name **one** exotic breed of sheep kept for wool production.
18. Give **one** way how plants depend on animals.
19. Name the instrument used to measure air pressure in the environment.
20. What term refers to a person who has got an accident and needs immediate help?
21. Why is measles vaccine administered?
22. Calculate the volume of the cuboid below.



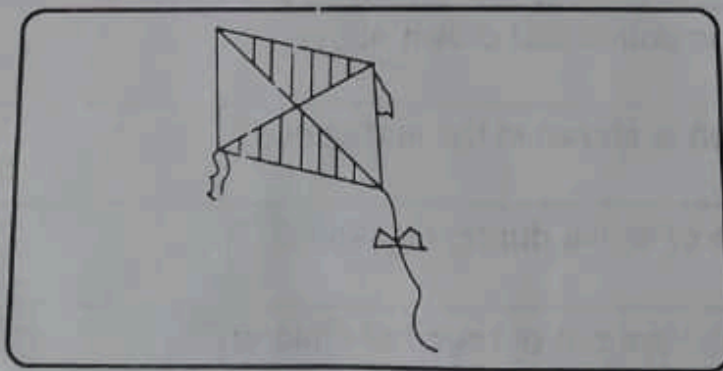
23. State **one** reason why every family must have a latrine.
24. Give **one** way of caring for a sick child.
25. Why is it necessary to brush teeth after every meal?
26. Name any **one** factor that determines the capability of soil.
27. How do silvered walls control heat loss or gain in a thermos flask?
28. State **one** way people benefit from bee keeping.

29. What is the best food for babies?

SHOT ON itel

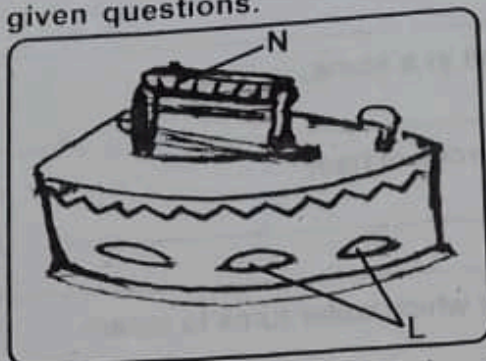
AI DUAL CAMERA

28. Why do sorghum growers put scare crows in their gardens?
29. What farming practice is carried out on a ewe to enable it mate easily?
30. Mention any **one** example of a non-flowering plant that reproduces by means of spores. ☐
31. Where does the blood that enters the heart through pulmonary vein come from?
32. Give **one** reason why some people smoke tobacco?
33. Which form of energy stimulates the sense of hearing?
34. Apart from mammals, name **one** other group of warm blooded vertebrates.
35. Identify the body organ that stores bile.
36. Which group of vertebrates spends their first time in water during young stage?
37. Name **one** organic component of soil.
38. What type of change is melting of candle wax?
39. What property of air enables the kite below to float in the atmosphere?



40. What type of germination is found in monocotyledonous seeds? ☐

Use the diagram of the equipment below to answer the given questions.



- (a) How is the equipment above important to a P.5 pupil?
- (b) Name the process of heat transfer required to use the equipment above.
- (c) Give the importance of holes marked L on the equipment.
- (d) State what would happen if the holes marked L are closed while the equipment is under use.
54. (a) Mention the cause of the deficiency diseases below among children.
- (i) Marasmus _____
- (ii) Goitre _____
- (b) Give any **one** effect of malnutritional diseases of children.
- (c) How would you help a child suffering from kwashiorkor?
55. (a) What is immunity?
- (b) Name any **two** types of immunity.
- (i) _____
- (ii) _____
- (c) State **one** way a child can acquire immunity.

****END****

SHOT ON itel

AI DUAL CAMERA

Printed by UCA Kampala

TEL: 0772-834 543

P.5 Science

End 1, Term III, 2022

Page 8

46



- (i) A

(ii) В

(iii) C

-

(b) Name **one** component of soil that

(i) makes soil fertile

(ii) is needed for germination

(c) Mention the type of soil used to make ceramics.

(b) Mention **one** system of keeping poultry for commercial purposes

(c) Give **one** reason why farmers keep poultry.

(d) State **one** condition that may cause diseases among poultry.

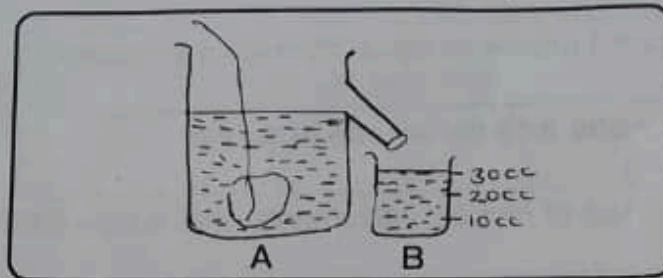
49. (a) Apart from chemical change, mention **two** other types of changes in the environment.

(i)

(ii)

45.

The diagram below shows a method of finding volume in science. Use it to answer the questions that follow.



(a) Name containers A and B.

(i) A _____

(ii) B _____

(b) What is the volume of the stone?

(c) If the stone has a mass of 75g, find its density.

46. (a) Mention any **two** types of soil.

(i) _____

(ii) _____

(b) Give any **two** ways of controlling soil erosion in hilly areas.

(i) _____

(ii) _____

47. (a) Write down the **two** types of parasites in domestic animals.

(i) _____

(ii) _____

(b) State **two** ways of controlling parasites in cattle.

(i) _____

(ii) _____

48. (a) Give any **two** uses of feathers to birds.

(i) _____

(ii) _____

(b) Mention any **two** ways in which birds are adapted to flying.

(i) _____

(ii) _____

SHOT ON itel

AI DUAL CAMERA

49. (a) State the function of each of the following parts to a flower:

(i) Sepals _____

(ii) Petals _____

(b) What do the following parts of a flower turn into after fertilisation?

(i) Ovules _____

(ii) Ovary _____

50. (a) Match items in List A to those in B correctly.

List A

Sorghum

Beans

Mangoes

Cabbage

List B

vegetables.

cereals.

legumes.

fruits.

(a) Sorghum _____

(b) Beans _____

(c) Mangoes _____

(d) Cabbages _____

51. (a) What name is given to the house of domestic rabbits?

(b) Mention any **two** exotic breeds of rabbits.

(i) _____

(ii) _____

(c) Name any **one** disease of rabbits.

52. (a) What main food value is obtained from eating fish?

(b) Give any **two** local methods of preserving fish.

(i) _____

(ii) _____

(c) What is the importance of preserving fish? _____

SHOT ON itel
AI DUAL CAMERA

SECTION B:(60 Marks)

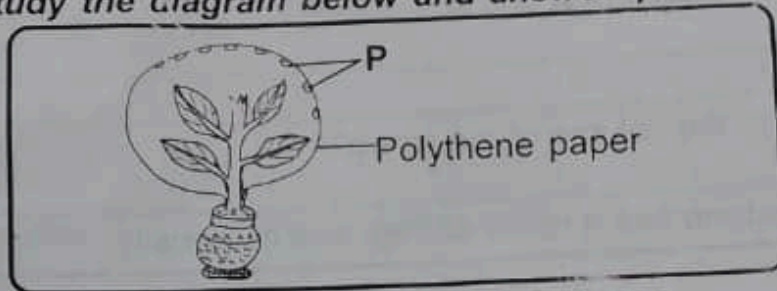
41. (a) In which state of matter does sound travel fastest?

(b) Why is sound unable to travel through a vacuum?

(c) Name any **one** artificial source of sound.

(d) To which group of musical instruments does a tube fiddle belong?

42. *Study the diagram below and answer questions about it.*



- (a) Identify the plant process shown above.

(b) Name the substance formed at P.

(c) Give **one** factor that affects the plant process shown in the diagram above.

(d) How do some plants reduce the process shown in the diagram?

43. (a) Mention **two** solutes commonly used to prepare oral rehydration salts.
(i) _____
(ii) _____
(b) Why is ORS given to a dehydrated person?

(c) What scientific name is given to water in ORS? ☐

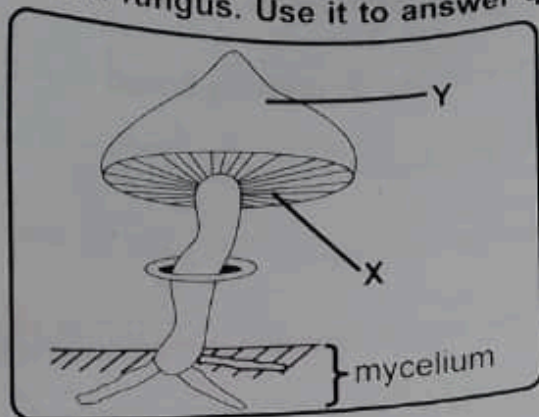
44. (a) What are poultry vices?

(b) Mention any **two** vices in poultry.

(i) _____
(ii) _____

SHOT ON itel
ADDITIONAL CAMERA
(c) Suggest **one** way of controlling vices in poultry.

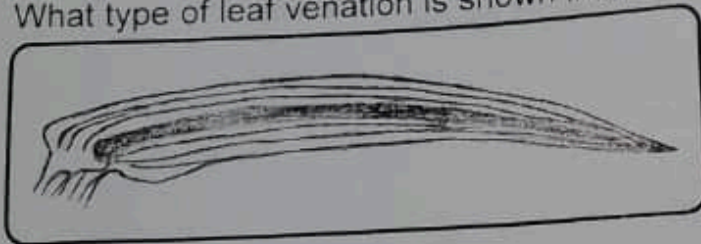
Below is a fungus. Use it to answer questions 30 and 31.



30. Identify the fungus above.

31. Name the part marked X.

32. What type of leaf venation is shown in the leaf below?



33. How is a housefly adapted to spreading germs?

34. What term refers to moving air in the environment?

35. Write ORS in full.

36. Give any **one** fruit crop grown in Uganda.

37. Identify any **one** agent of pollination.

38. Name any **one** domestic animal reared for milk production.

39. Give any **one** disease of poultry.

40. Why do some hens lay eggs with soft shells?

41. (a)
(i)

(ii)

(b)

(c)

42. (a)

(i)

(ii)

(iii)

43.

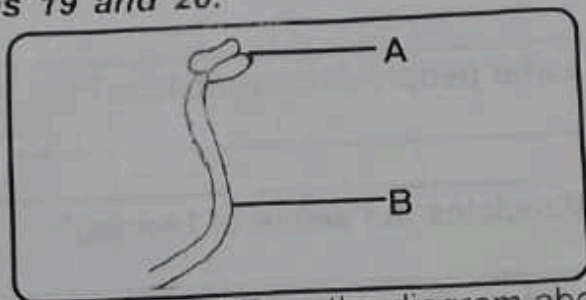
44

SHOT ON itel

AI DUAL CAMERA

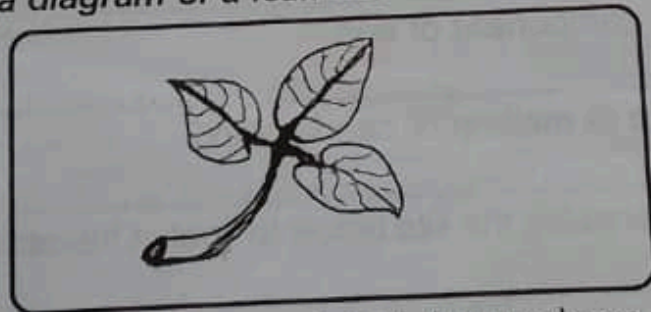
16. Which type of cattle is kept for milk production?
17. Mention any **one** material used as an insulator on the handle of a flat iron.
18. Give any **one** cause of dehydration in young children.

The diagram below shows a male part of a flower. Use it to answer questions 19 and 20.



19. Name the part labelled **B** on the diagram above.
20. State the function of the part marked **A**.
21. Give **one** reason why brushing of teeth prevents tooth decay.

Below is a diagram of a leaf. Use it to answer questions 22 and 23.



22. Name the type of compound leaf drawn above.
23. What type of venation is shown in the leaf above?
24. State the importance of saliva during digestion.
25. Why should drugs be kept out of reach of children?
26. How are tsetseflies dangerous to humans?

27. Identify the method used to find the volume of irregular objects.

SECTION B:(60 Marks)

41. (a) What name is given to the larva stage of a:-
(i) mosquito? _____
(ii) housefly? _____
- (b) Why is a housefly regarded as a vector?

- (c) Which immunisable disease is spread by mosquitoes?

42. (a) Mention any **two** items used to promote oral hygiene.
(i) _____
(ii) _____
- (b) Write **two** dangers of poor personal hygiene.
(i) _____
(ii) _____
43. (a) How does yeast reproduce?

- (b) Give any **one** example of useful bacteria.

- (c) Mention **two** dangers of harmful bacteria to people.
(i) _____
(ii) _____
44. (a) Which type of bee in the hive mates with the queen bee?

- (b) Name any **two** materials that bees use to make honey.
(i) _____
(ii) _____
- (c) In which way is propolis important to bees?

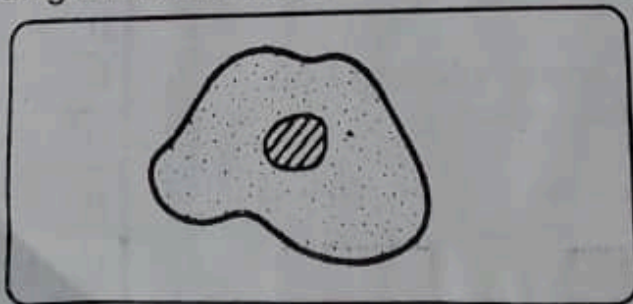
45. (a) Name the animal whose habitat is a:-
(i) sty _____
(ii) kraal _____
- (b) Give **two** ways of caring for domestic animals.
(i) _____

SHOT ON itel
AI DUAL CAMERA

SECTION A: (40 Marks)
Questions 1 to 40 carry one mark each.

1. Name the sterile female bee found in a bee hive.
2. Identify any **one** method of making alcohol.
3. State any **one** danger of using wood fuel for cooking.
4. Which food value is mainly obtained from root crops?
5. How is cholera similar to trachoma in the way they are spread?
6. State any **one** characteristic of living things.
7. Give any **one** common use of road accidents.
8. What type of fertilization do fish undergo?
9. Mention any **one** way of controlling soil erosion on a school compound.
10. What is the gestation period of a doe?
11. How can one avoid tape worm infestation?
12. What name is given to the larva stage of a housefly?

Use the diagram of the blood cell to answer questions 13 and 14.

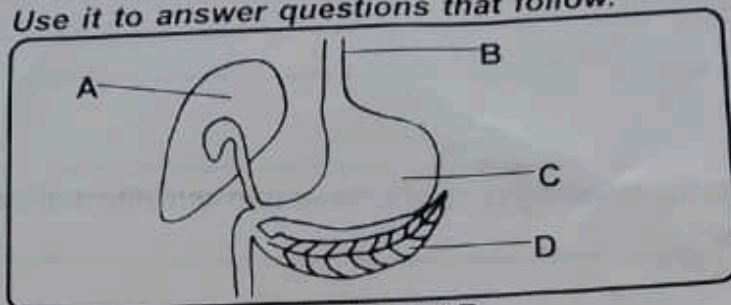


13. Identify the blood cell drawn above.
14. Mention the function of the blood cell you have named above.

15. State one danger of bush burning to the soil.

53.

The diagram below shows part of the digestive system.
Use it to answer questions that follow.



(a) Name the parts marked A and B.

(i) A _____

(ii) B _____

(b) State any **one** function of part C.

(c) Mention any **one** disorder of the above body system.

54. (a) State **one** use of oxygen gas.

(b) Apart from oxygen, mention any **two** other components of air.

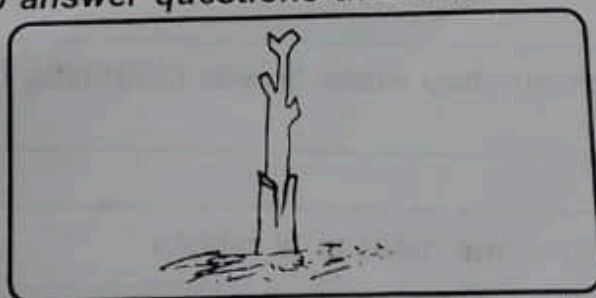
(i) _____

(ii) _____

(c) Mention **one** chemical process which uses oxygen.

55.

The diagram below shows a method of plant propagation.
Use it to answer questions that follow.



(a) Name the method of propagation shown above.

(b) Apart from oranges, name any other plant propagated using the above method.

(c) Mention any **two** advantages of using the above method of propagation.

(i) _____

(ii) _____

END

SHOT ON itel

ALDUAL CAMERA

Tel: 0772 - 834 543

P.6 Science

End I, Term III, 2022

Page 8