

RUBANDA DISTRICT EDUCATION COMMITTEE

DEPARTMENT OF EDUCATION AND SPORTS

PRIMARY MOCK EXAMINATIONS 2023

INTEGRATED SCIENCE.

Time Allowed: 2hours 15Minutes

Emis No:	Personal No.

Candidate's Name:

Candidate's Signature:

Name of School:

Read the following instructions carefully.

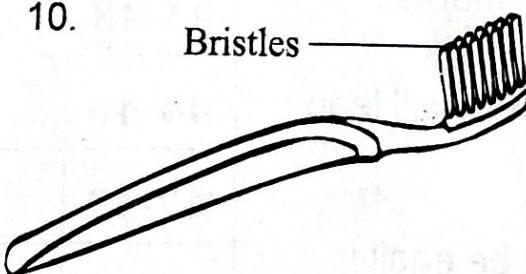
1. This paper has two Sections A and B.
2. Section A has 40 Questions 40 Marks.
and Section B has 15 questions 60 marks
3. Attempt all questions in both Sections. All answers in both sections must be written in the spaces provided.
4. All answers must be written using a blue or black ball point pen or ink. Any work written in a pencil will not be marked.
5. Unnecessary alteration of work will lead to loss of marks.
6. Any handwriting that cannot be easily read will lead to loss of marks
7. Do not fill anything in the table indicated: "For examiner's Use only" and boxes inside the question paper.

For Examiners' 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		

SECTION. A

1. Name the component of air needed for respiration.
.....
2. Mention any one way of increasing friction on a slippery road.
.....
3. State one importance of a rag in a home.
.....
4. Give any one instrument used to measure weight.
.....
5. How does the practice of bush burning pollute air?
.....
6. Give a reason why a pinhole camera forms inverted images.
.....
7. Which element of PHC involves Antenatal and postnatal care for mothers.
.....
8. Which property of air enables a cattle farmer to control ticks using a spray pump?
.....
9. State any one typical feature of a movable joint.
.....

The diagram below shows an item used to clean teeth. Use it to answer question 10.

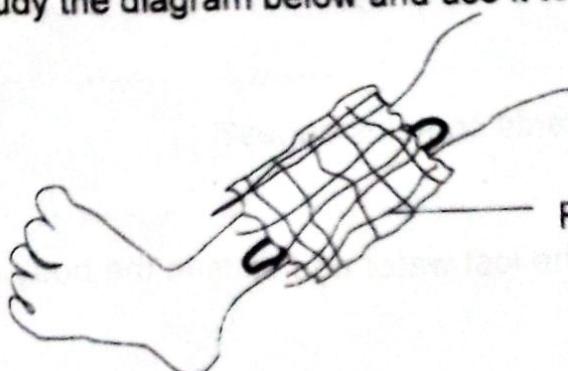


10. State the function of bristles on the item above in promoting oral hygiene.
.....
11. To which group of mammals does a dolphin belong?

12. State the relationship between the load arm and the effort arm on a single fixed pulley.
-
13. Apart from the teeth, name any other mouth part cleaned by brushing.
-
14. Which group of non-flowering plants contains cones?
-
15. State any one way of replacing the lost water and salts in the body of a dehydrated person.
-
16. How can a married man prevent himself from producing any more children in a family?
-
17. Why is a fuse made of an alloy of tin and lead?
-
18. State any one factor considered before prescribing a drug of patient.
-
19. How do we call the practice of removing wool from the sheep?
-
20. State the reason why Simulids breed in flowing water?
-
21. Give one importance of seasoning in wood preservation.
-
22. Name one tuber crop propagated by stem cutting.
-
23. State the reason why breast milk is regarded as the best food for babies.
-

24. Which characteristic prevents seeds dispersed by animals from being digested in the alimentary canal.

Study the diagram below and use it to answer 25 and 26.



First aid equipment

25. Name the type of injury shown in the above diagram.

26. State the importance of the above first aid equipment in giving first aid.

27. Mention the reason for the increase of heart beat when doing a vigorous activity.

28. State the importance of silver cyprinid to a poultry farmer.

29. What name is given to a mass of thread like structures obtained from plants and animals.

30. Mention the purpose of putting a rain gauge in an open place before taking measurements.

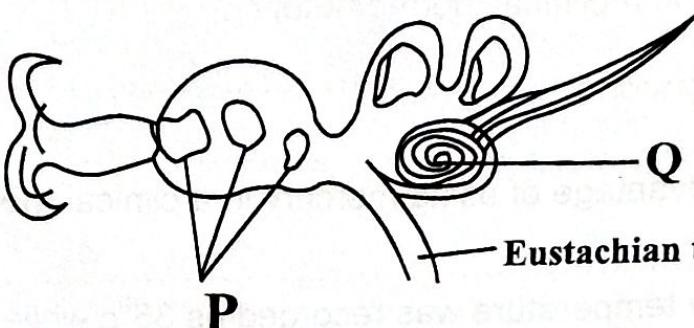
31. State one importance of decomposition as a chemical change.

32. Give any one non infectious disease that affects the lungs.

33. Give one method of separating liquids of different densities.

34. State one way of conserving wood as an energy resource.

The diagram below is of a human ear, use it to answer questions 35 and 36.



35. Name the part labelled with letter p.

36. State the function of part labelled Q on the ear.

37. Mention the importance of rinsing clothes in the process of cleaning them.

38. Give one way of controlling Red Water in farm animals.

39. Name any one mineral that hardens teeth enamel.

40. Give one way of preventing bad odour in a water closet (WC)

SECTION B (60 marks)

41. (a) Which garden tool is best suitable for transporting seedlings?

(b) Why are farmers encouraged to transplant seedlings in the evening?

(c) State any two activities done by farmers during hardening off.

(i)

(ii)

42. (a) State one device that uses an electromagnet to function.

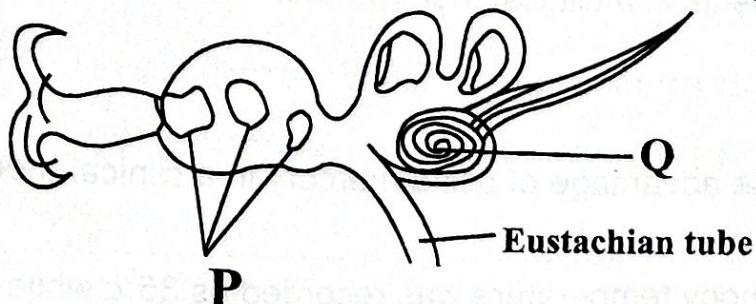
(b) Give two ways of increasing the strength of an electromagnet.

(i)

(ii)

34. State one way of conserving wood as an energy resource.

The diagram below is of a human ear, use it to answer questions 35 and 36.



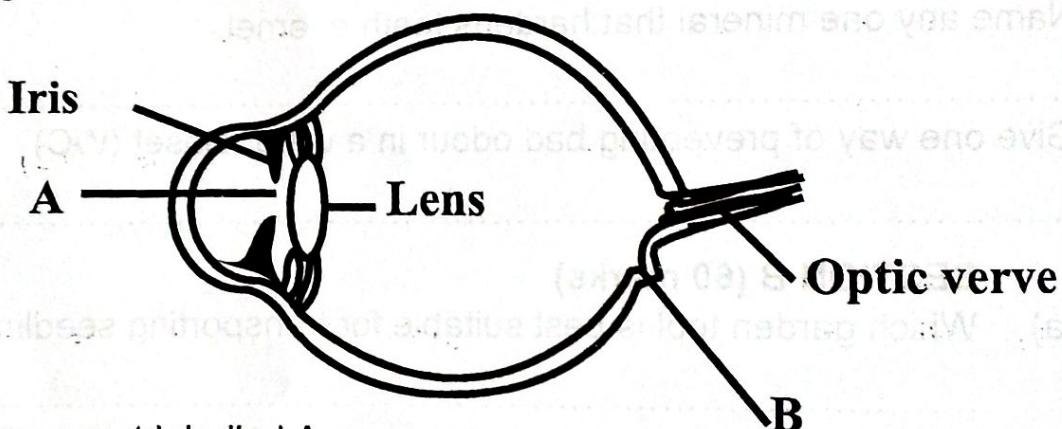
35. Name the part labelled with letter P.
36. State the function of part labelled Q on the ear.
37. Mention the importance of rinsing clothes in the process of cleaning them.
38. Give one way of controlling Red Water in farm animals.
39. Name any one mineral that hardens teeth enamel.
40. Give one way of preventing bad odour in a water closet (WC)

SECTION B (60 marks)

41. (a) Which garden tool is best suitable for transporting seedlings?
- (b) Why are farmers encouraged to transplant seedlings in the evening?
- (c) State any two activities done by farmers during hardening off.
- (i)
- (ii)
42. (a) State one device that uses an electromagnet to function.
- (b) Give two ways of increasing the strength of an electromagnet.
- (i)
- (ii)

- (c) State the way of demagnetizing an electromagnet.
-
43. (a) How is mercury prevented from flowing back before taking measurements in a clinical thermometer?
-
- (b) Mention the advantage of using mercury in a clinical thermometer.
-
- (c) Andrew's body temperature was recorded as 35°C while carrying out COVID19 tests. What was it in $^{\circ}\text{F}$? (2marks)

44. The diagram below shows a human eye. Use it to answer questions that follow.



- (a) Name part labelled A.
-
- (b) Using letter R, label the part where images are formed on the above diagram.
-
- (c) Give the function of the part labelled B on the diagram.
-
- (d) State how the Iris controls the amount of light entering the eye.
-

45. Match the following vectors to the diseases they spread to humans.

Vector	Disease
Simulids	Bubonic plague
Anopheles mosquito	Elephantiasis
Culex mosquito	River blindness
Rat fleas	Malaria

- (a) Simulids:
- (b) Anopheles mosquito:
- (c) Culex mosquito:
- (d) Rat fleas:

46. (a) Apart from white blood cells, mention any other two components of blood.

- (i)
- (ii)

(b) Which one characteristic of white blood cells enables them to defend the body against disease germs?

-
-
-

(c) State one way how an anaemic patient can increase the amount of blood circulation in the body.

-
-

47. (a) State two ways how plants are used as energy resources.

- (i)
- (ii)

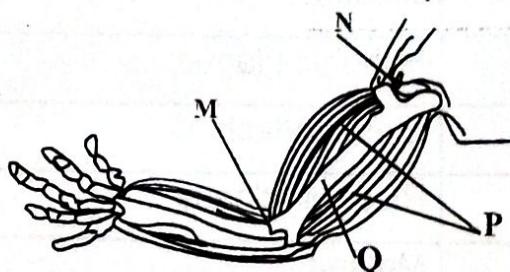
(b) How do plants help to purify air in the environment?

-
-

(c) Give one way of conserving plant resources.

-
-

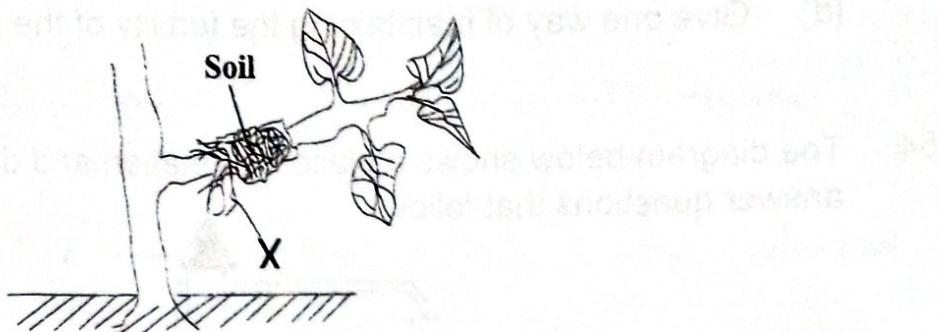
48. The diagram below shows the part of the skeletal and muscular system. Use it to answer the questions that follow.



- (a) Name the labelled with letter Q.
-
- (b) Why are muscles labelled P called,
- (i) antagonistic muscles?
-
- (ii) voluntary muscles?
-
- (c) How are joints M and N different in terms of movement?
-
49. (a) What causes rinderpest in cattle?
-
- (b) Give any one sign and symptom of rinderpest in cattle.
- (i) sign:
-
- (ii) symptom:
-
- (c) How is the application of a quarantine control the spread of rinderpest in cattle?
-
-
-
50. (a) How is air breathed through the nose cleaned before going to the trachea?
-
- (b) Name the part of the respiratory system that;
- (i) Prevents food from entering the trachea during swallowing.
-
- (ii) Produces pleural fluid.
-

- (c) Why are lungs regarded as both excretory and respiratory organs?

51. The diagram below shows an artificial method of vegetative propagation. Study it carefully and use it to answer questions that follow.



- (a) State the method of artificial vegetative propagation above.
- (b) What name is given to the secondary roots labelled X?
- (c) Mention any one crop that can be propagated using the above method in (a)
- (d) State one advantage of using artificial vegetative propagation over using seeds.

52. Study the table below and complete it correctly.

Source of food	Food nutrient	Deficiency disease
Guavas	Vitamin C	(i).....
(ii).....	Proteins	Kwashiorkor
Green vegetables	(iii).....	Night blindness
Iodised salt	Mineral salts	(iv).....

- 53 (a) Mention any one non bio degradable material that pollutes the soil.

(b) How does bush burning lead to soil exhaustion?

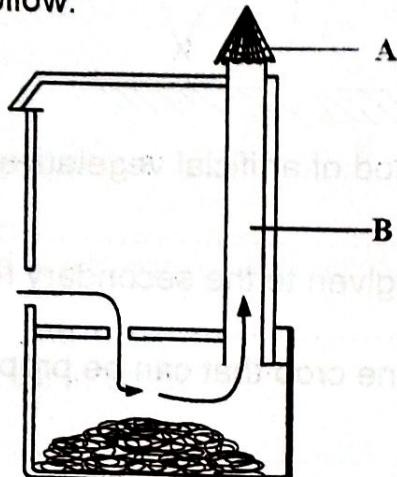
.....
.....

(c) Which soil component helps in aerating it?

.....
.....

(d) Give one way of maintaining the fertility of the soil.

54. The diagram below shows a place of urination and defecation. Use it to answer questions that follow.



(a) Name the pit latrine above.

.....
.....

(b) Name the part labelled A on the above pit latrine.

.....
.....

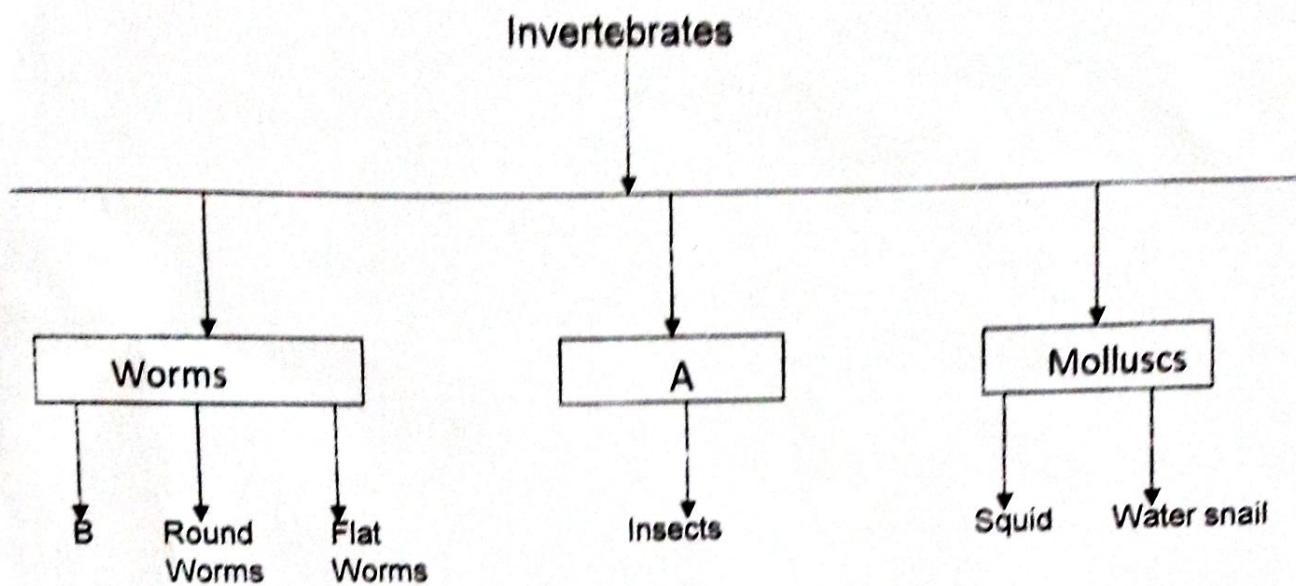
(c) State the function of part labelled B on the above pit latrine.

.....
.....

(d) State the health practice an individual should do after using the above sanitary structure.

.....
.....

55. Study the chart and complete the questions on it.



(a) Name the organisms A and B.

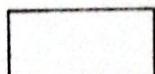
- (i) A
- (ii) B

(b) How is the skeleton of organism A different from that of worms?

.....
.....

(c) Name the organism under molluscs above that spreads schistosomiasis

.....
.....



END

COMMON MISTAKES IN SCIENCE

The common misspelt words in science

0776641849 - To get other related information.

Wrong spelling	Correct spelling
1.Tape worm	Tapeworm
2.Hook worm	Hookworm
3.Nector	Nectar
4.Hidding	Hiding
5.Regulary	Regularly
6.Hairly	Hairy
7.Waterly	Watery
8.Overcrowdness	Over crowdedness
9.Lightening	Lightning
10.House fly	Housefly
11.Tsetsefly	Tsetse fly
12.Feaces	Faeces
13.Tetenus	Tetanus
14.Diptheria	Diphtheria
15.Chocking	Choking
16.Dysentry	Dysentery
17.Rain fall	Rainfall
18.Sun light	Sunlight
19.Luke warm	Lukewarm
20.Electro magnet	Electromagnet

Prepared by Tr.Samuel Tweheyo(Tel.0776641849)

A teacher of Integrated Science at Rubanda Solidarity pri.school

ADMIN "COMMON MISTAKES WHATSAPP GROUP"