

**ENTEBBE MUNICIPAL
EXAMINATION BOARD**

MOCK EXAMINATION - 2023

INTEGRATED SCIENCE

Duration: 2 Hours: 15 Minutes

INDEX NO:

Random No.						Personal No.		

Candidate's Name : _____

Candidate's Signature: _____

District ID No.

--	--	--	--

Read the following instructions carefully:

1. Do not write **school** or **district** name anywhere on this paper.
2. This paper has two sections: **A** and **B**.
Section **A** has **40** questions and section **B** has **15** questions.
3. Answer **all** questions. **All** answers to both sections **A** and **B** 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 pencil will not be marked.
5. Unnecessary **changes** in your work and handwriting that cannot easily be read may lead to **loss of marks**.
6. Do not fill anything in the boxes indicated:
"For examiners' use only.

FOR EXAMINERS' USE ONLY		
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

SECTION A (40 MARKS)

1. Name the sense organ used by a P.4 child to detect bad smell from a latrine.

.....

2. Give a reason why some flowers have brightly coloured petals.

.....

.....

3. How can your mother make water collected from
L. Victoria safe for drinking?

.....

.....

4. Miss Joyce is a vegetable farmer in Mbale, how can she maintain soil fertility in her garden?

.....

.....

5. Name one object in the environment whose volume is measured using displacement method.

.....

6. Why do farmers dock rams?

.....

.....

7. Of what importance is the rib cage in the human body?

.....

Use the diagram below to answer questions 8 and 9.



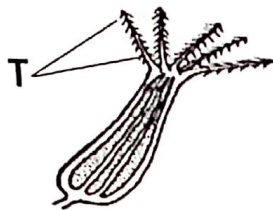
8. Name the musical instrument drawn above.
.....
9. To which group of musical instruments does the musical instrument drawn above belong?
.....
10. State the health habit done by school children after visiting a latrine.
.....
11. Kamonde's family rears poultry, state the class of food that he gets after eating boiled eggs.
.....
12. Houseflies are common vectors; mention any one way of controlling houseflies at home.
.....
13. What force makes a pencil to reduce in size and length as a P.1 child writes?
.....
14. Name the fungus used in the fermentation process of making alcohol.
.....

15. Akello was seen spreading harvested groundnuts on a mat. Mention the process of heat transfer that enables groundnuts to dry.

.....

.....

Below is a diagram of a common seed in the environment. Study and use it to answer questions 16 and 17.



16. Name the structures marked **T** on the diagram.

.....

17. How is the seed above dispersed in the environment.

.....

.....

18. Name the component of soil that makes it fertile.

.....

19. Mr. Mukasa is a cattle farmer, how can he identify a cow that has gone on heat on his farm.

.....

.....

20. How does painting help to control rusting of metals.

.....

.....

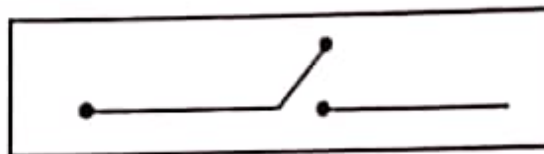
21. Below is a list of organisms in the environment, arrange them correctly to form a food chain.

rabbit, bacteria, dog, cabbage

22. A bus driver was diagnosed with cancer of the lungs, which bad health habit might have contributed to the above disease?

23. Apart from flossing, how else can one promote oral health?

Below is a symbol used in electricity. Use it to answer questions 24 and 25.



24. Name the symbol in the diagram above.

25. How is the symbol above useful in an electric circuit?

26. State any one use of food in the human body.

27. Name the structure that keeps sea mammals warm.

28. Give a reason why objects weigh less in water than in air.

29. Why is a rabbit hutch raised above the ground?

.....
.....

30. Write any one way heat transfer by conduction is useful in our daily life.

.....
.....

31. Give a reason why most crops are mainly harvested during the dry season.

.....
.....

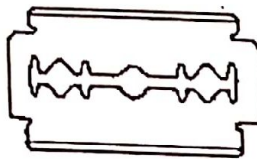
32. How is a kink in a clinical thermometer similar to a valve in a vein in terms of function?

.....
.....

33. Name the poisonous gas found in tobacco smoke.

.....

Below is a diagram of a simple machine. Use it to answer questions 34 and 35.



34. To which group of simple machines does the above belong?

.....

35. How is the above simple machine useful in a first aid box?

.....

36. How can a P.7 candidate protect him/herself from getting HIV/AIDS?
.....
37. In which way do birds benefit from trees in the environment?
.....
38. Give any one danger of teenage pregnancy to school going girls.
.....
39. Name the type of cattle with a triangular body shape.
.....
40. How is soaking useful during the act of cleaning clothes?
.....
.....

SECTION B (60 MARKS)

- 41.a) What is seed germination?
.....
.....
- b) State any two conditions needed for a seed to germinate.
(i)
(ii).....
- c) How is a microphyle useful to a germinating seed?
.....
- 42.a) How do bacteria reproduce?
.....
.....

b) Write any two conditions that enable bacteria to breed.

(i)

(ii)

c) State any one way in which bacteria are harmful in the environment

.....

.....

43. Correspond the reproductive process in list **A** to the place where they take place in **B**.

a)

List A	List B
Ovulation	Uterus
Fertilization	Ovary
Implantation	Oviduct

A

B

i. Ovulation -

ii. Fertilization -

iii. Implantation -

b) Give one sign of pregnancy in women.

.....

44. a) Briefly explain the meaning of Primary Health Care.

.....

.....

b) Write any two principles of PHC.

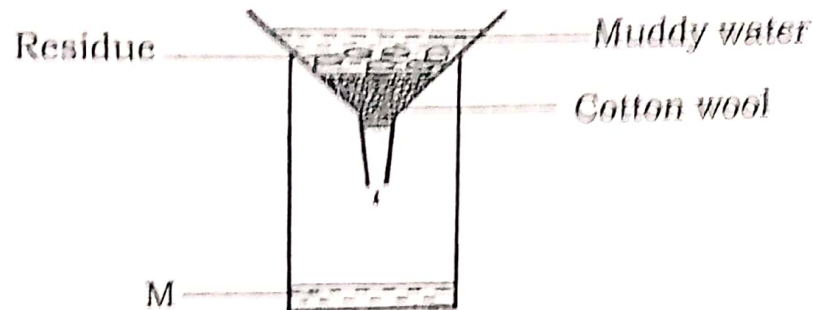
(i)

(ii)

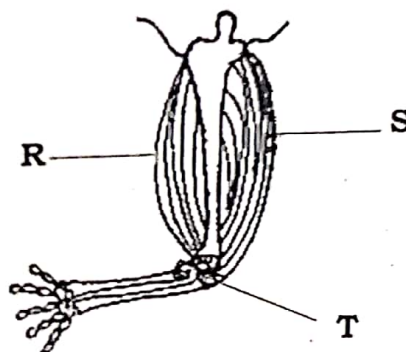
c) Mention any one role played by pupils in promoting PHC.

.....

45. Below is a diagram showing an experiment carried out by a P.5 class. Study it carefully and use it to answer the questions that follow.



- a) What method of obtaining clean water is shown above?
.....
- b) What scientific name is given to substance labelled M?
.....
- c) Why is it not advisable to drink water obtained through the above method?
.....
- d) Apart from the above, mention any one other method of obtaining clean water for domestic use.
.....
46. Below is a diagram showing the human arm. Use it to answer the questions that follow.



a) Name the type of movable joint marked **T**.

.....

b) Give a reason why muscles marked **R** and **S** are called antagonistic muscles.

.....

.....

c) State any two ways physical exercises are important to the human body.

(i)

(ii)

47. The table shows different groups of vertebrates. Use it to answer the questions that follow:

X	Y	Z
Tortoise	Newt	Man
Snake	Salamandas	Bush baby
Chameleon	Toads	Monday

a) To which group of vertebrates do animals in group **Y** belong?

.....

b) Give one similarity between animals in group **X** and those in group **Z** in terms of reproduction.

.....

.....

c) Identify the two groups of vertebrates missing in table above.

(i)

(ii)

48.a) What is soil erosion?

.....

.....

b) State any two causes of soil erosion.

(i)

(ii).....

c) Give a reason why farmers in hilly areas terrace their land.

.....

.....

49.a) Give the meaning of the term dehydration.

.....

.....

b) State any two signs of dehydration in children.

(i)

(ii).....

c) Why is sugar added in ORS for treatment of dehydration.

.....

.....

50.a) What are farm records?

.....

.....

b) Give any one example of a record kept on a farm.

.....

c) State any two ways a farmer benefits from farm records.

(i)

(ii).....

51.a) Write any two Primary Sex changes that occur in girls during adolescence

(i)

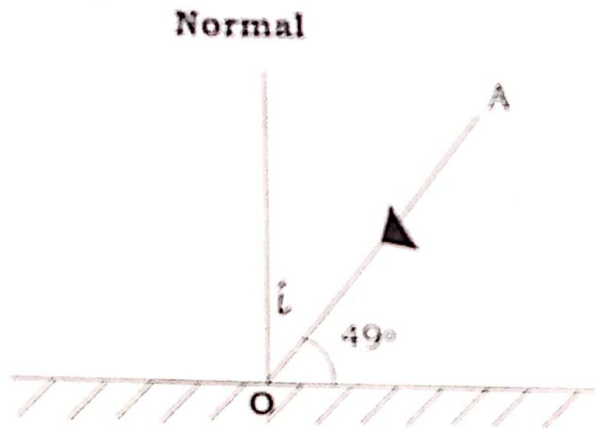
(ii).....

b) State any two Secondary sex changes that occur in both boys and girls during adolescence.

(i)

(ii)

52. The diagram below shows reflection of light. Study and use it to answer the questions that follow.



a) Name the ray marked AO.

.....

b) Complete the diagram by drawing the reflected ray.

c) Find the value of angle 'i'. (2 marks)

.....

53.a) Name two plant processes that take place in leaves.

(i)

(ii)

b) Write any two ways leaves are adapted to the process of making starch in plants.

(i)

(ii)

54. a) A motorist got an accident along Entebbe road. State any two ways you as a P.7 candidate would help such a person.

(i)

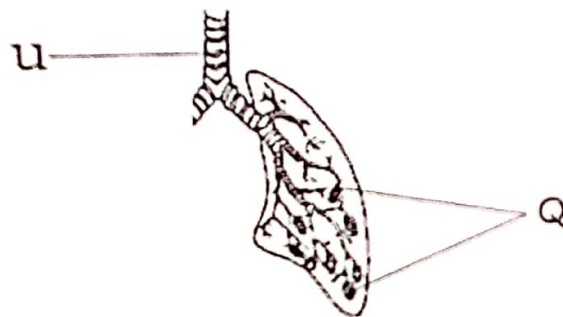
(ii).....

b) State the importance of providing First Aid to the motorist.

(i)

(ii).....

55. The diagram below shows one of the body systems.
Study carefully and use it to answer the questions that follow.



a) To which body system does the above diagram belong?

.....

b) Identify part marked U.

.....

c) Name the process that takes place in structures marked Q.

.....

d) State one way of maintaining the proper functioning of the above system.

.....

*****THE END*****