

ENEMAC

EXAMINATIONS BOARD
PRIMARY SEVEN SPECIAL MOCK
2023

INTEGRATED SCIENCE
Time Allowed: 2 hours 15 minutes

EMIS No.						Personal No.		

Candidate's Name:

Candidate's Signature:

School Name:

District Name:.....

Read the following instructions carefully:

1. This paper has two sections: **A** and **B**.
Section **A** has **40** questions and Section **B** has **15** questions.
2. Answer **all** questions. **All** the working for both sections **A** and **B** must be shown in the spaces provided.
3. **All** working must be written using a **blue** or **black** ball point pen or ink. Any work done in pencil other than graphs and diagrams will **not** be marked.
4. Unnecessary changes in your work may lead to loss of marks.
5. Any handwriting that cannot easily be read may lead to loss of marks.
6. Do not fill anything in the table indicated: "**For Examiners' Use only**"

FOR EXAMINERS' USE ONLY		
Qn.No.	MARKS	EXR'S NO.
1 - 10		
11 -20		
21 - 30		
31 - 40		
41 - 43		
44 -46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

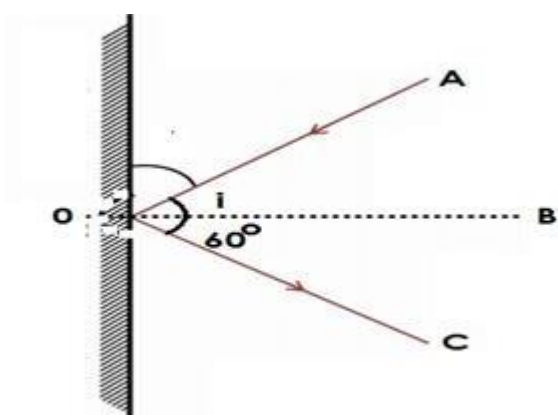
SECTION A QUESTION.

1. In which way are plants used as energy resources?
.....
2. What term is used to mean the removal of top soil from one place to another?
.....
3. Why do some plants like maize develop prop roots at the flowering stage?
.....
4. In the space provided below, draw the structure of the compound bipinnate leaf.



5. Write down the vector that spread yellow fever to people.
.....
6. How does alcoholism affects the digestive system.
.....

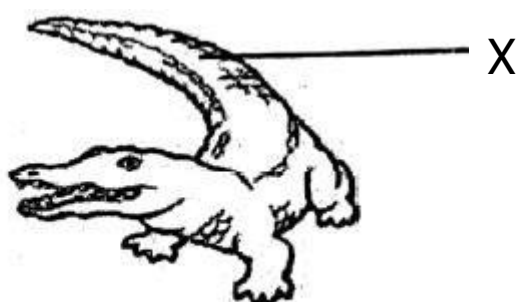
The diagram below shows the reflection of light. Study it carefully and answer questions 7 and 8.



7. Name the type of reflection shown above.
.....
8. Calculate the size of the angle labeled i.
9. Give any one health practice that can improve the working of the lungs.
.....
10. Name any one molluscs which is a vector.
.....
11. How is friction prevented in joints?
.....

12. Of what importance is placenta during pregnancy?
.....
13. Name the immovable joint found in the human beings.
.....
14. Mention the rabbit disease that is associated with dropped and wounded ears.
.....
15. Give the first aid for bee stings
.....
16. Give any one disadvantage of Tubal ligation as a method of birth control.
.....
17. In which type of germination does the cotyledon come out of the ground?
.....
18. What is the use of a voltmeter an electric circuit?
.....
19. Name the element of weather that favours the growth of seeds.
.....
20. Give any one immunisable childhood disease caused by virus.
.....
21. Why are mulches not used to control soil erosion on hilly areas?
.....
22. By what process do plants absorb water from the soil?
.....
23. Give any one sign of trachoma infection to people
.....
24. How do fish control the spread of malaria?
.....
25. Name the fertile component of soil.
.....
26. How are fungi and bacteria similar in terms of reproduction?
.....

Study the reptile below and answer the questions 27 and 28.



27. Name the reptile drawn above.

.....

28. How is the structure labeled x useful to the above reptile?

.....

29. Why is ash added in an Ecosan latrine after using?

.....

30. Why is sheep shearing done in dry season?

.....

31. Which term is used to mean the reproductive cells produced by the ovaries in females?

.....

32. What is a magnet?

.....

33. Mention any one enzyme produced in gastric juice.

.....

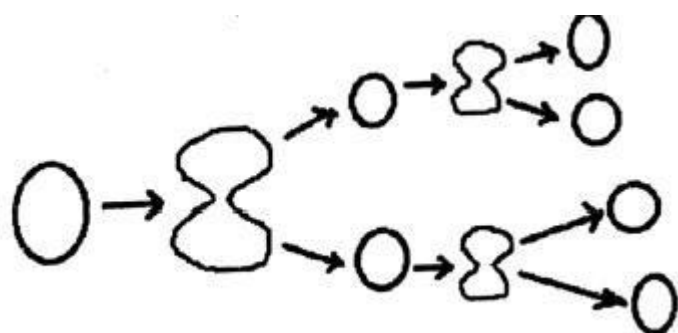
34. Why is a bow harp grouped under string musical instruments?

.....

35. How are geckos important in the house?

.....

Study the mode of reproduction in bacteria below and answer questions 36 and 37



36. Name the mode of the reproduction shown above.

.....

37. Give any one organism that undergoes the above mode of reproduction.

.....

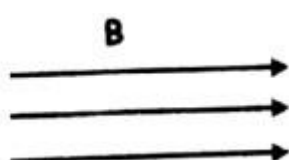
38. Apart from rainy weather, give any other type of weather that requires one to use an umbrella.

.....

39. What is the difference between heat and temperature?

.....

Study the type of beam shown below and answer question 40.

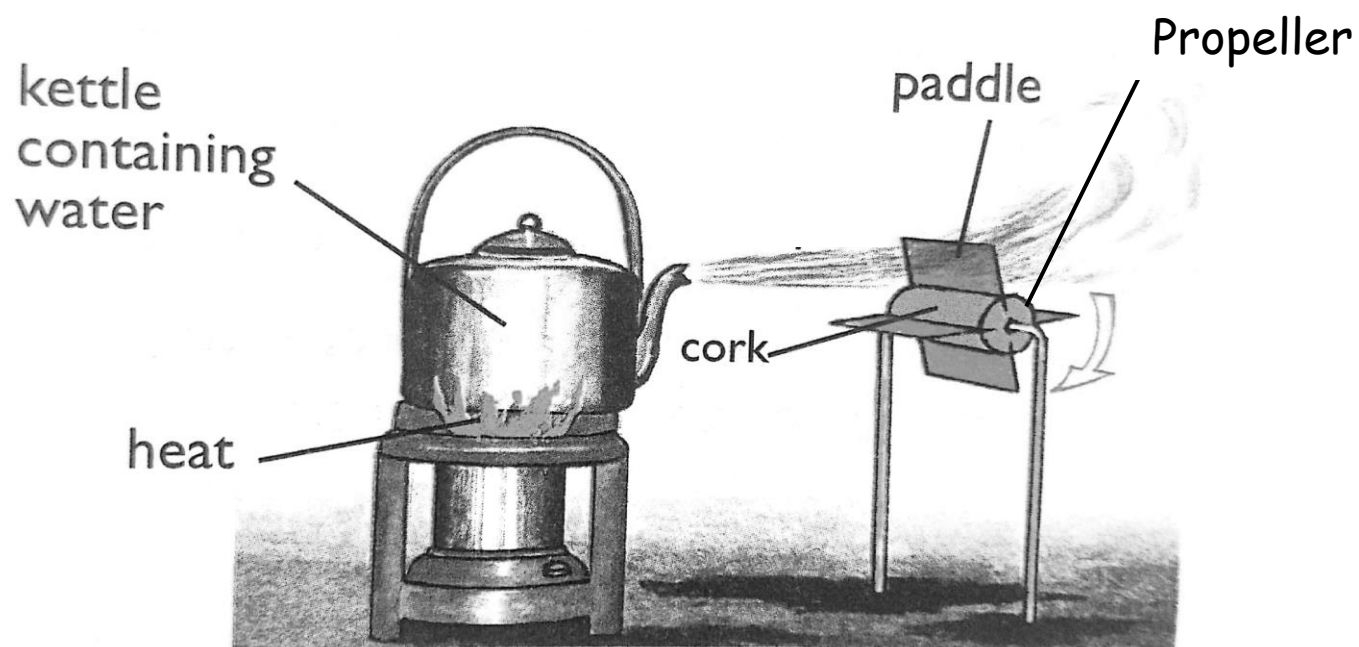


40. Name the type of beam drawn above.

.....

SECTION B

The diagram below shows a water resource being used to generate another resource to turn a propeller to produce energy. Study and use it to answer questions that follow



41. a) Name the resource being generated to turn the propeller to generate electricity.

.....

b) Mention any two uses of the above resource named in 41. a) above?

i.

ii.

c) Give one way of conserving water as an energy resource

.....

42. a) What is health survey?

.....

.....

b) Give two importances of conducting health surveys to the government.

i.

ii.

c) Mention any one method used by the government when conducting health survey?

.....

43. a) Define the term fever.

.....

.....

b) Why should tepid sponging be done with lukewarm water

.....

c) State two reasons why we give first aid.

i.

ii.

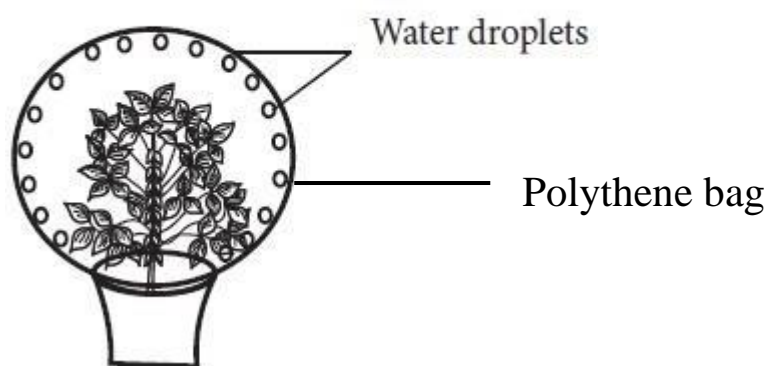
44. a) Why do we cover the wood during the production of charcoal?

 b) Give one why of conserving wood fuel in our home.

 c) State two disadvantages of charcoal burning to the environment.
 i.
 ii.
 45. a) Write down two components of soil apart from water.
 i.
 ii.
 b) How can a farmer improve on soil fertility without using fertilizers?

 c) Give one type of weathering.

46. Study the plant process below and answer the questions that follow.



46. a) By what process are water droplets formed inside the polythene bag

 b) Give the use of the polythene bag in the above process.

 c) Write down two factors that affects the rate of transpiration
 i.
 ii.
 47. a) Name the deficiency disease that results from the deficiency of vitamin C in the body.

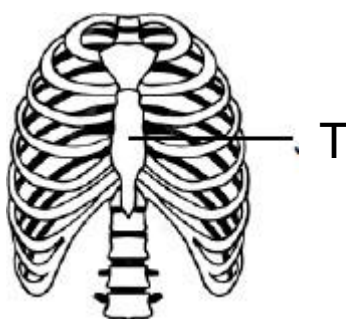
 b) Give any one sign of vitamin C deficiency disease in humans.

 c) Write down two foods that gives us vitamin C.
 i.
 ii.
 48.a) What is respiration?

- b) Mention any one raw material needed for respiration to take place.

 c) Give two respiratory diseases that are communicable.
 i.
 ii.

49. **The diagram below shows parts of the human skeleton. Use it to answer the questions that follow.**



- a) What name is given to part marked T?

 b) Name the respiratory organ protected by the above part.

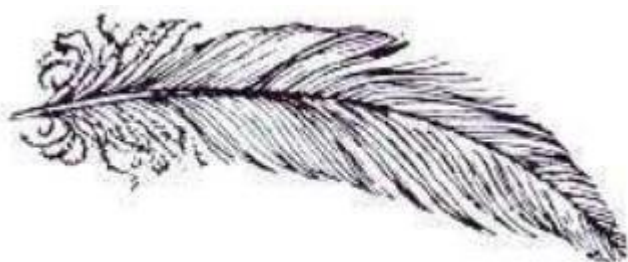
 c) Give two uses of skeleton to people.
 i.
 ii.

- 50.a) Give two conditions that favour the multiplication of bacteria.
 i.
 ii.
 d) Mention any two bacterial diseases in animals.
 i.
 ii.

- c) How can bacterial infections be controlled among people?

51. a) What is the difference between poultry and poultry keeping?

Study the diagram below and answer the question that follows.



- b) Which type of feather is shown above?

- c) How are feathers useful to birds like ducks? Give two ways.
- i.
 - ii.

52.The following is a list of animals that belongs to different classes of vertebrates. Use it to answer questions that follows.

Bush baby, Hen, Snake, Pike

- a)In which class of vertebrates does a Pike belong?
-
- b)Which class of vertebrates is not represented in the list above?
-
- c) Give any one animal from the above list which is worm blooded
-
- d)What is the difference between a bush baby and a snake in term of reproduction?
-
-

53. a) Name change of state which take place when;

- i. Liquid changes to solid
- ii. A solid changes directly to gas

- b) How does heat affects molecules in liquid and gases.
-
- c) Give a reason why heat is called a form of energy.
-

54. a) Give the importance of the following steps in washing clothes at home

- i. Soaking.....
- ii. Sorting.....

- b) What is personal hygiene?
-
-
- c) How can Akello a primary seven pupil promote personal hygiene?
-

55. In four sentences explain how Mr. Kaggwa can prepare Oral Rehydration Solution locally at home.

- a)
- b)
- c)
- d)

END