

# JINJA CITY ACADEMIC BOARD

PRIMARY LEAVING MOCK EXAMINATION 2022

## INTEGRATED SCIENCE

TIME ALLOWED : 2HOURS:15MINUTES

Index No.

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Candidate's Name:.....

candidate's Signature.....

School Name:.....

District Name:.....

FOR EXAMINER'S  
USE ONLY

Read the following instructions carefully

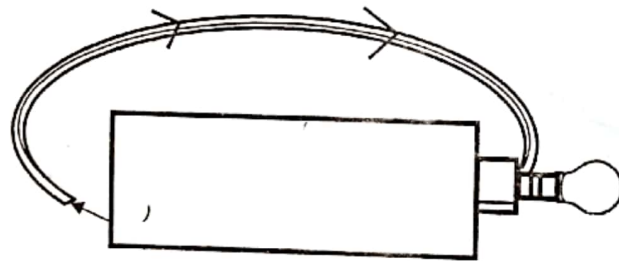
1. The paper is divided into two Sections A and B
2. Answer all questions. All answers to both section A and B must be written in spaces provided
3. All answers must be written using a blue or black ball point pen or ink
4. Unnecessary changes of work may lead to loss of marks
5. Any handwriting that cannot easily be read may lead to loss of marks.
6. Do not fill anything in the boxes shown: "For Examiners' Use Only" and those inside the question paper

### FOR EXAMINER'S USE ONLY

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

1. Which sense is enabling you to read this paper?  
.....
2. Why is air referred to as a non living component of the environment?  
.....
3. State one reason why a P.7 candidate moves from one place to another.  
.....
4. What is the importance of a testa on a bean seed?  
.....
5. Which form of energy is responsible for temperature changes in an object?  
.....
6. What general term is given to blood vessels that carry blood from the heart to rest of the body?  
.....

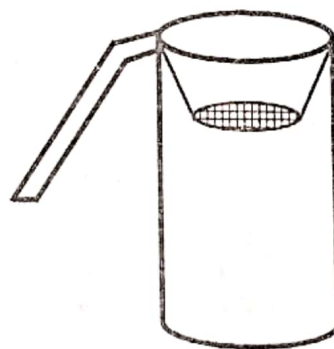
The diagram below shows a simple electric circuit. Use it to answer question 7



7. What do the arrows on the diagram represent?  
.....
8. Apart from Malaria, Name any other disease spread by Mosquitoes to humans.  
.....
9. Why is water necessary for a seed to change into a seedling?  
.....
10. Describe how you would change the pitch of sound on a string instrument such as Adungu or guitar.  
.....

28. State one way in which termites benefit from the soil.  
.....
29. How does spider benefit from its web?  
.....
30. Give one function that can be carried out by a switch and fuse in an electric circuit.  
.....
31. State one reason why calcium and phosphorous should be included in our diet.  
.....
32. Apart from being living things, Give any other way in which mammals are similar to birds.  
.....
33. How does a moon give light at night?  
.....

The equipment drawn below is commonly found on a dairy farm. Use it to answer question 34.



34. State the importance of this equipment in the milking process.  
.....
35. Briefly describe how a shadow is formed.  
.....
36. Identify one activity carried out at health parade in the school?  
.....

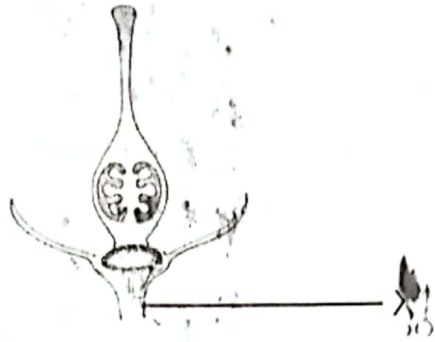
37. Identify one disease that can be prevented by covering our mouth and nose during sneezing and coughing.  
.....
38. State one way in which soil erosion can be controlled on the school compound.  
.....
39. Give one use of sound in our environment.  
.....
40. John and Mary sit the same distance on opposite sides of the pivot on a see saw and balance. If Mary weighs 40kgs. What is John's weight.  
.....

### SECTION B

41. (a) Which process is carried out by plants in the presence of water, Sunlight and carbondioxide.  
.....
- (b) State two ways in which the process named in (a) above is beneficial to the environment.  
(i).....  
(ii).....
- (c) During which part of the day in that process not able to take place.  
.....
42. (a) State one way in which a housefly can spread germs.  
.....
- (b) How do the following stages in the life cycle of a housefly benefit from it laying eggs in decaying matter?  
(i) Eggs.....  
(ii) Larva.....



The diagram below is part of a flower. Use it to answer questions 11 and 12.



11. By use of an arrow and letter P show the part where fertilization takes place.

.....

12. How important is part X to the flower above?

.....

13. Why cant mushrooms reproduce by means of seeds?

.....

14. What is the importance of soap in the washing of clothes?

.....

15. How can you recover salt form a salt solution?

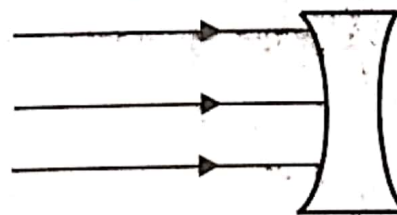
.....

16. What Injury is caused by stepping on a hot piece of charcoal?

.....

17. The diagram shows a parallel beam of light through a concave lense.

Complete it to show the behavior of the rays.



.....

18. What is the importance of sweating to a person who is having a vigorous physical exercise?

.....

19. Write down one way in which the human body benefit from the sun a part from getting warmth.

20. State one physical feature you would use to identify a white blood cell from other blood cells.

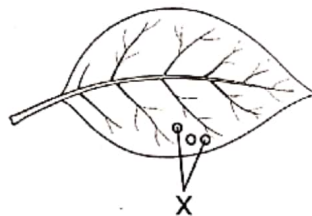
21. Identify the method used to find the volume of a stone?

22. Name one immunisable childhood disease that can also be prevented by drinking boiled water.

23. How can a P.7 Candidate help the body to regulate temperature on a cold day?

24. State one way in which a worker bee is important to a hive.

The diagram below is of a leaf. Use it to answer questions. 25



25. Which structure on a butterfly has the same function as X on the diagram?

26. Apart from removing waste products and being a sense organ for feeling, state any other function of the skin to the human body.

27. State one way in which East Coast fever, Red water and Heart water are similar cattle diseases.

(c) Name any other natural object that form images as those given in (b) above.

47. (a) Give one reason why smoking in public places is discouraged.

(b) State one way in which the government is controlling public smoking.

(c) Why is Tobacco called a drug of dependence?

(d) Suggest one way in which you would protect yourself against the habit of smoking.

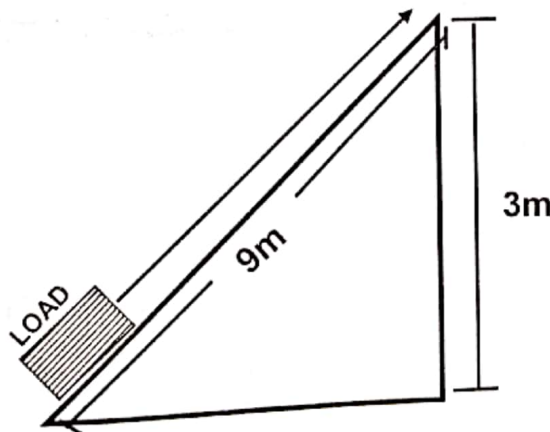
48. (a) What term is given to the artificial introduction of vaccines to our bodies?

(b) Name one vaccine administered both orally and by injection.

(c) How are vaccines important to our bodies?

(d) Apart from Diphtheria and Tetanus, name any other disease prevented by a DPT vaccine.

49. The diagram below is of a simple machine. Use it to answer questions that follow.



(a) Identify the group of machine shown in the diagram above.

.....

(b) State one way in which the above machines simplifies work.

.....

(c) Calculate the mechanical advantage (M.A) of using the above machine.

50. Arrange the following stages in the reproduction of human in order of happening from first to last, implantation, ovulation birth, fertilization.

1.....

2.....

3.....

4.....

51. (a) What is magnetism?

.....

(b) Name one natural magnet.

.....

(c) Which method of making magnet does not involve using another magnet?

.....

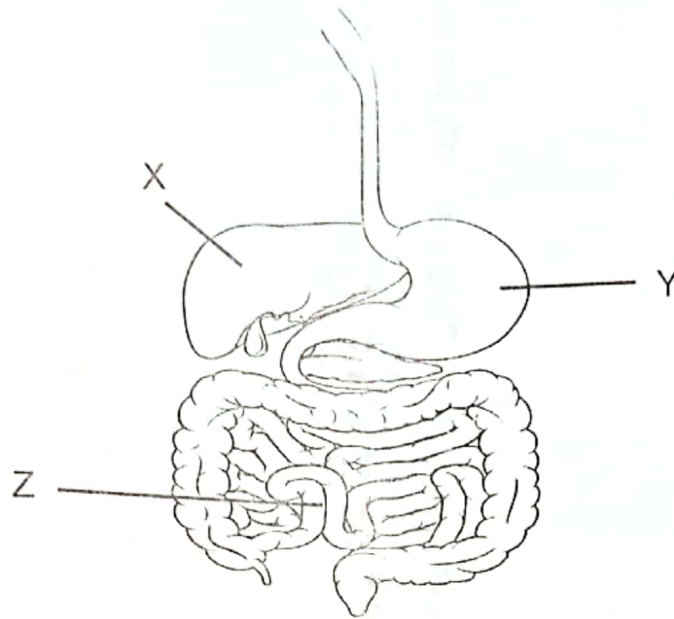
(d) State one use of magnets in daily life.

.....



(c) Mention one non diarrhoeal disease spread by a housefly to humans.

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



(a) Name part marked x

(b) Why is digestion of starch not possible at part marked Y?

(c) State the importance of saliva in the digestion process.

(d) State the important process that takes place at part Z.

44. Study the lists of animals below carefully and use them to answer questions that follow.

A	B	C	D	E
Monkey	Kite	Nile perch	Snake	Toad
Dog	Hen	Tilapia	Lizard	Newt

(a) Identify one way in which animals in group A are similar to those in group B.

(b) State one difference between animals in group C and D in terms of reproduction.

.....

(c) In which group of animals is E

.....

(d) Other than the group of animals shown in A,B,C,D and E. name any other group of animals.

.....

45. (a) Which people need first aid?

.....

(b) Identify one quality of a good first aider?

.....

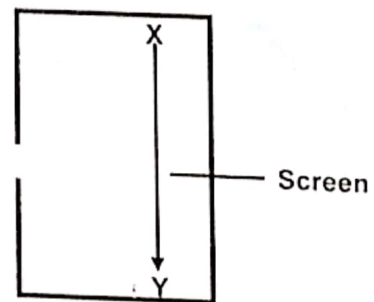
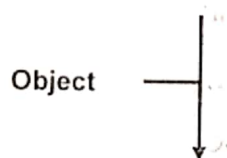
(c) How is a razorblade useful to a first aider?

.....

(d) How is a stretches useful to a first aider?

.....

46. The diagram below is a locally made pin hole camera. Study it carefully and use it to answer questions that follow.



(a) Draw the image of the object on screen XY

.....

(b) Describe the characteristics of the image drawn.

(i).....

(ii) .....

52. (a) What is wind?

.....

(b) State one use of wind as an energy resource.

.....

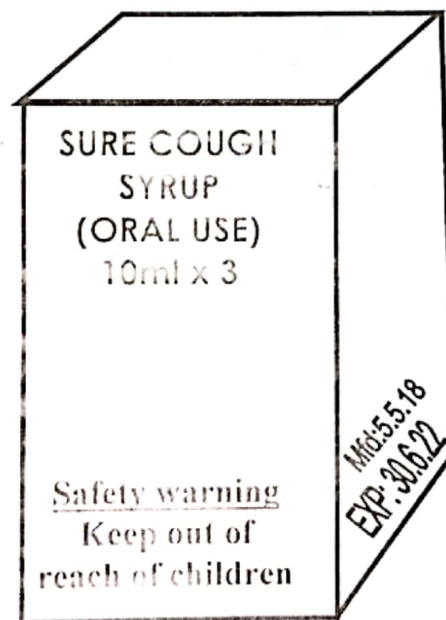
(c) Give one advantage of using wind as an energy resource.

.....

(d) State one disadvantage of depending on wind as an energy resource in Uganda.

.....

53. The diagram below is of a package of a drug. Study it and use it to answer questions that follow.



(a) How is the above drug supposed to be administered?

.....

(b) What is the importance of the safety warning on the package?

.....

(c) How many times is that drug supposed to be taken in a day?

.....

(d) What is likely to happen if that drug is taken after 30.06.22?

.....

54. (a) Give the importance of the following practices in the washing of clothes
- (i) Soaking.....
  - (ii) Rinsing.....
- (b) Give one way in which you can prepare water for washing clothes.

.....

(c) What would you consider when sorting clothes before washing them.

55. (a) List down two ways in which animals depend on water.

(i).....

(ii).....

- (b) State two ways in which plants depend on animals.

(i).....

(ii).....

END

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