

DELIGHT JUNIOR SCHOOL- MBALE**END OF TERM II (INT.) EXAMINATION - 2024****INTEGRATED SCIENCE****PRIMARY SIX**

Time allowed 2 hours 15 minutes

NAME:

CLASS:

Read the following instructions carefully:

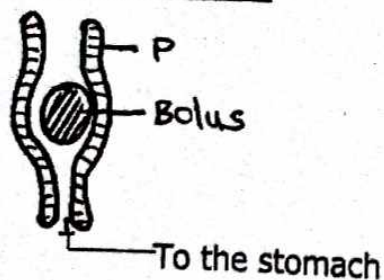
1. The paper has two Section: A and B.
2. Section A has 40 questions (40 marks).
3. Section B has 15 questions (60 marks).
4. Answer **ALL** questions. All answer to both section A and B must be written in the spaces provided.
5. All answers must be written using a blue or black ball-point pen or ink. Diagrams should be drawn 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 boxes indicated for Examiners' use only.

FOR EXAMINERS' USE ONLY		
QN. No.	MARK	SIGN
1 – 10		
11 – 20		
21 – 30		
31 – 40		
41 – 43		
44 – 46		
47 – 49		
50 – 52		
53 – 55		
TOTAL		

SECTION: A (40 MARKS)

1. Write any one natural source of sound.
.....
2. Why is petroleum regarded as the non-renewable resource?
.....
3. Besides identification, how is a comb important to a bird?
.....
4. State the type of clouds that resemble cotton piles in the sky.
.....
5. How are monotreme mammals similar to birds in terms of fertilization?
.....
6. How is transpiration useful in the environment?
.....
7. Name the part of a tap root which protects the growing tip from mechanical damage.
.....

The diagram below shows one of the parts of the alimentary use it to answer questions 8, 9 and 10.



8. Name the part of alimentary canal marked P.
.....
9. By what process does food move along part P?
.....
10. Write any one enzyme that will act on the bolus when it reaches the stomach.
.....

11. Write one weather condition.

12. State the function of white blood cells in the body.

13. Why does food mix with saliva in the mouth?

14. Mention any one example of native beehive.

15. Which structure in the human heart prevents oxygenated and deoxygenated blood from mixing?

16. State the reason why refrigerators at home are painted white.

17. Mention any one use of dehydration to people.

18. What type of pollination occurs in a flower where filaments grow taller than styles?

19. Mention the root tuber crop which is a source of vitamin A.

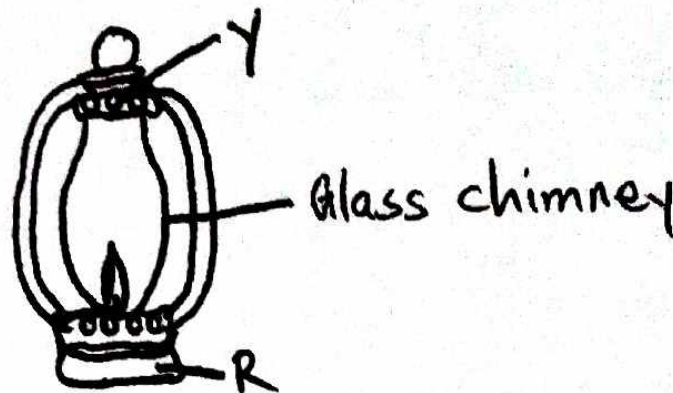
20. Which disease is spread by ticks to people?

21. Name the body sense which enables a P.6 learner to identify the diagram on a paper.

22. How are reptiles similar to mammals in terms of reproduction?

23. How is driving of vehicles in dangerous mechanical conditions a danger to the environment?

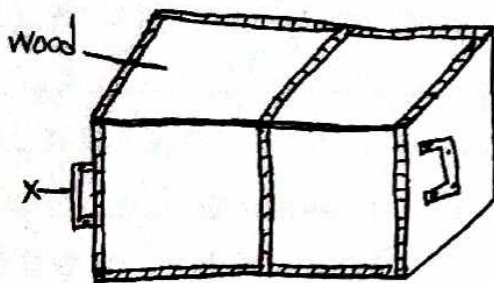
The diagram below shows Kerosene lamp. Study and use it to answer questions 24 and 25.



24. Give the function of the holes marked with letter Y.
-
25. Which process enables movement of paraffin from part R up through the wick?
-
26. What do we call the condition where the body depends on alcohol for the normal functioning of the body?
-
27. Which garden tool helps crop farmers to spray pesticides on the crops?
-
28. Mention any one disease got from eating food that has gone bad.
-
29. Name one raw material for respiration in human being.
-
30. Which type of immunity is acquired by babies during breast feeding?
-
31. Give one way how dustbins are useful to school community.
-
32. State the importance of a kink on the clinical thermometer.
-

33. Name the blood vessel that transports digested food from the ileum to the liver.
.....
34. How is chemical change similar to biological change?
.....
35. Apart from bacteria, mention one other organism that helps in the decomposition of organic matter to form humus.
.....
36. What type of energy is possessed by vehicles parked in the garage?
.....
37. Which group of musical instruments produces sound by vibration of air blown inside them?
.....
38. State the insect that reproduce by laying larvae.
.....

The diagram below shows tools used by brick makers. Use it to answer questions 39 and 40.



39. Name part marked with letter X.
.....
40. Which type of soil supports the activity done using the tool drawn above?
.....

SECTION B (60MARKS)

41. a) What do we call the practice of growing crops, trees and rearing of animals on the same piece of land?

.....

b) State any two reasons why farmers rotate crops in the garden.

i).....

ii).....

c) Mention one way how crops with weak stems climb others.

.....

42. a) How are the following parts of an insect useful;

i) halteres

.....

ii) ovipositor

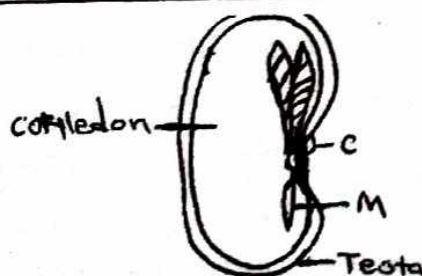
.....

b) State two dangers of insects in the environment.

i).....

ii).....

43. **Study the bean seed below and use it to answer questions that follow.**



a) Name the part marked M.

.....

b) Which part of maize grain has similar function as the cotyledon of a bean seed?

.....

c) With the help of an arrow and letter N, show the part of a bean seed that grows into shoot system.

d) What type of germination does a bean seed undergoes?

44. a) What do we call the good health practice done in schools to promote proper personal hygiene?

b) Write any two roles of prefects during the above good health practice.

i).....

ii).....

c) How does cutting of long fingernails short prevent germs?

45. a) Mention the two methods of making alcohol in the community.

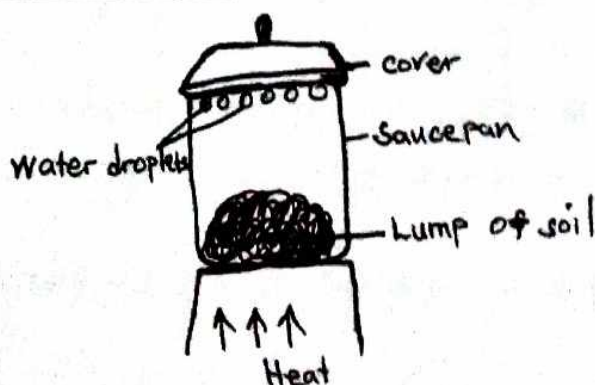
i).....

ii).....

b) What is the role of alcohol in the six's thermometer?

c) Give any one way how a P.6 child can avoid alcoholism.

46. **Study the experiment for P.3 children below and use it to answer questions that follow.**



a) What does the experiment prove about soil?

b) By what process are the water droplets formed.

c) Mention one living and non-living component of soil;

i) Living component

ii) Non-living component

47. a) State the use of ventilators in a living house.

b) Apart from letting fresh air, give one other use of windows in a house.

c) Mention any two ways of keeping body organs in a good working condition.

i).....

ii).....

48. a) State any two importance of seed dispersal.

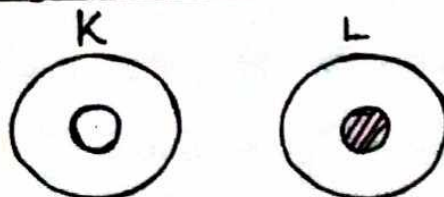
i).....

ii).....

b) How are mango seeds dispersed?

c) Mention the group of non-flowering plants which reproduce by means of seeds.

49. **Below are diagrams of blood cells. Use it to answer questions that follow.**



a) Mention one disease that affects blood cells K and L.

i) Blood cell K

ii) Blood cell L

b) Name the mineral salt that increases the volume of blood in the body.

c) Identify the blood cell marked L.

50. **Rearrange the steps followed in making ORS below correctly.**

- Measure 1 litre of clean boiled water into a container.
- Stir the mixture to form a solution.
- Measure one tea spoonful of salt and eight tea spoonful of sugar.
- Taste and give the patient.

Correct order

-
-
-
-

51. **Study the diagrams below and use them to answer questions that follow.**



a) Which of the three bottles will produce sound of high pitch?

b) Give the reason to support our answer in (a) above.

c) State any two methods of storing sound.

i).....

ii).....

52. a) How is reproduction in yeast different from that in bacteria?

.....

b) Mention the enzymes contained in yeast which helps to speed up fermentation process.

.....

c) Name the organism found in the root nodules of legumes.

.....

d) Mention the fungus used to make penicillin.

.....

53. **The diagram below shows a human tooth. Use it to answer questions that follow.**



a) Identify the type of tooth drawn above.

.....

b) Name the mineral salt that make part B hard.

.....

c) Name the part marked with letter D.

.....

d) Mention the alloy used by dentist to fill holes in the tooth.

.....

- 54 a) Where does gaseous exchange takes place in the lungs?
.....
- b) Why is the trachea made up of rings of cartilage?
.....
- c) State any two ways of keeping respiratory system in a good working conditions.
i).....
ii).....
55. a) State the main reason why farmers rear dairy cattle.
.....
- b) Mention any two characteristics of dairy cattle.
i).....
ii).....
- c) Name the cattle house where milking is done from?
.....

END