

**NABBUNGA FOUNTAIN OF EDUCATION DAY
AND BOARDING PRIMARY SCHOOL,
DEZ JUNIOR SCHOOL, ST. MARY'S IMMACULATE VILLA P/S,
ST. THEREZA BWANDA P/S, ACT JUNIOR SCHOOL,
ST. ANDREWS MATALE HILL P/S, AND
ST. AGNES NSAMBYA PRIMARY SCHOOL**

PRE-P.L.E JOINT EXAMINATION 2022

SUBJECT : INTEGRATED SCIENCE

DURATION : 2 HOURS 15 MINUTES

	EMIS NO.	PERSONAL														
Index No. :	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%; height: 20px;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> </tr> </table>								<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%; height: 20px;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> </tr> </table>							

Candidate's Name :

Candidate's Signature :

District Name :

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

Read the following instructions carefully:

1. This paper has **two** sections: **A** and **B**.
2. Section **A** has 40 questions (40 marks)
Section **B** has 15 questions (60 marks)
3. Answer all questions. All questions 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 fountain pen.
5. Unnecessary changes of work may lead to **loss** of marks. All diagrams must be drawn in pencil.
6. Any handwriting that cannot easily be read may lead to **loss of marks**.
7. Do **not** fill anything in the boxes indicated:
“For Examiners’ Use Only”

FOR EXAMINERS’ USE ONLY		
Qn. No.	MARKS	EXRS’ IN.
1 – 20		
21 – 30		
31 – 50		
51 – 53		
54 – 55		

SECTION A:

1. Which type of soil is the best for crop growing?

2. Name one exotic dairy breeds of cattle commonly kept in Uganda.

3. Under which group of living things do the lions belong?

4. How do the plants benefit from animals?

5. Which drug is got from fungi that is used to treat bacterial diseases?

6. Why is it advisable for pregnant mothers to eat food rich in proteins?

7. How is a physical change different from a chemical change?

8. Name one source of direction current electricity (D.C).

The diagrams S and R show eggs of amphibians. Use them to answer questions that follow.

Embryos

9. Which amphibians lay eggs drawn in diagram s?

10. How useful is the part labeled K to the embryos shown above?

11. Apart from using cubic units, name any other unit that can be used to measure volume.

12. Why is it very dangerous to set up apiary near a market?

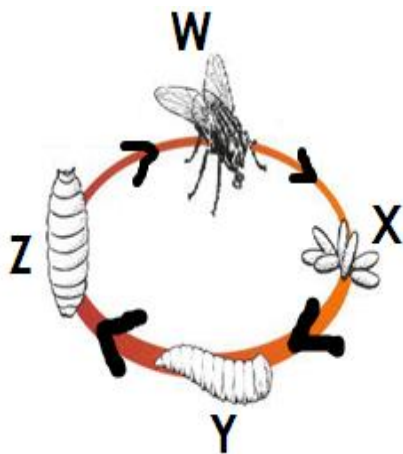
13. What role does the government play in the immunization campaign?

14. Which apparatus do the tailors use to measure the size of one's waist?

15. What element of primary health care checks on the population of a country?

16. A lever has its pivot between the load and the effort. Under which group of levers does it belong?

The diagram below shows a life cycle of a housefly. Use it to answer questions 17 and 18.



17. Name one disease that can be spread the above insect to man.

18. How can the vector be controlled at stage marked W?

19. Which type of alcohol is poisonous to people?

20. Why is filtered water not good to be drunk before boiling it?

21. Name the blood cells that defend the body against germ infection.

22. How does paddock grazing control ticks in cattle management?

23. How is the uncontrolled cutting of trees affect climate of an area?

24. Name one primary sex characteristic in girls.

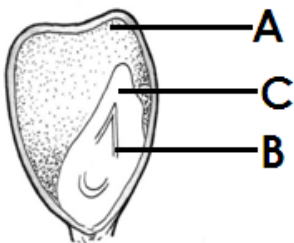
25. Which part of the fish helps it to detect vibration?

26. What name is given to the tubular structures that act as excretory osmoregulatory organ of some insects?

27. Why should the vulnerable people be given special feeding?

28. Name one practice done by people to protect themselves from getting infected with round worms.

The diagram below shows a maize seed. Use it to answer questions that follow.



29. How is part A similar to the cotyledon of a bean seed?

30. State one effect of pests on root crops.

31. Why is an ordinary thermometer not suitable for use to measure body temperature?

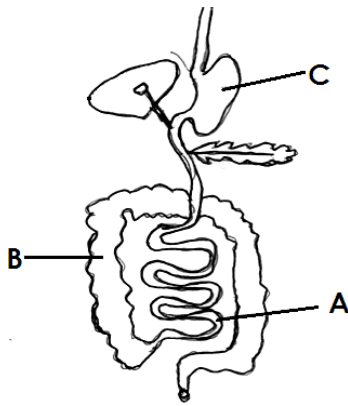
32. What role does the barometer play on a weather station?

33. State one use of essential drugs to the community.

34. Name one by-product of respiration.

35. How is the synovial fluid at the joint similar to the oil machines?

36. How is the web on the foot of a duck useful to the bird?



37. Name part of the digestive system marked C.

38. State one substance that is absorbed through B.

39. Imagine you were a father why would you try very hard to avoid extended family.

40. Apart from producing progesterone hormone, state any other use of the ovary in man.

SECTION B

41. a) Name one foreign breed of rabbits kept in Uganda.

b) Why do some farmers in urban areas prefer keeping rabbits to other bigger animals like cattle?

c) State one factor you can consider when choosing a good rabbit to rear.

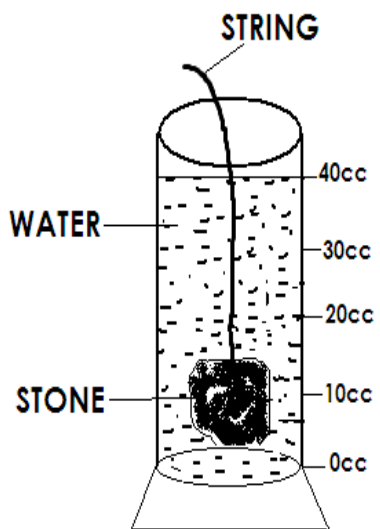
d) Which diseases of rabbits show the following signs; **rough fur, diarrhea with blood?**

42. a) Which substances are responsible for chemical digestion in humans?

b) Name one organ of the digestive system which is not part of the alimentary canal.

c) How is the saliva in the mouth similar to the synovial fluid in function?

43. A primary five class in Kakembe Primary School performed the experiment below. Study it and use it to answer questions that follow.



a) Name the container that is holding the water.

b) What was the level of the water when it had the stone inside?

c) How much water was used in the experiment if the stone has a volume of 10cc?

d) Why is the stone regarded as an irregular object?

44. a) Name one immunisable water borne disease that affects the skeletal system.

b) How does cholera cause death of the infected person?

c) Of what importance is the ORS during the treatments of cholera?

c) How does the putting of faeces in a latrine control water borne diseases?

45. a) Name one class of plants.

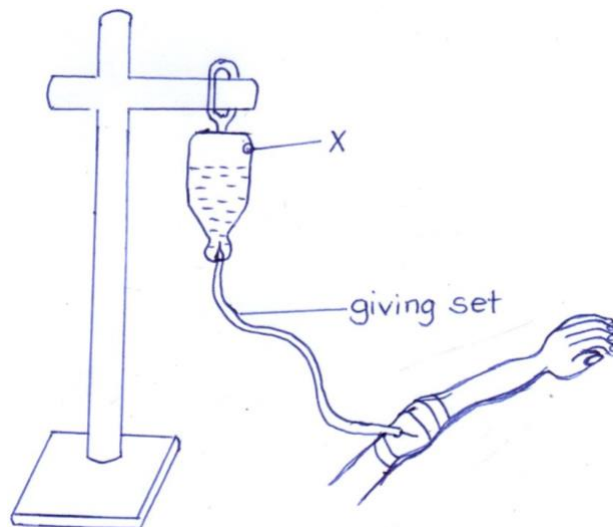
b) A P.6 class in Kyebambe P/S observed the following characteristics on a plant: net veined leaves, tap root system, woody stem. Under which

group of flowering plants does this plant belong?

c) How does plant that use self dispersal disperse their seeds?

d) State one advantage of seed dispersal.

46. The diagram below shows a health facility. Use it to answer the questions that follow.



a) Give the use of the hole marked with letter X.

b) What general name is given to the health facility shown in the diagram above?

c) Why is Aspirin regarded as an essential drug?

d) State one reason for prescribing the drugs.

47. a) What is fever?

b) Name one cause of fever.

c) Why should a convulsing person be put hard materials in the mouth?

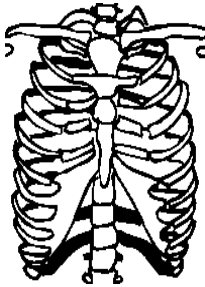
d) State the first aid for fever.

48. a) State one natural non-living resource that is commonly used for agriculture.

b) Why should the government of Uganda encourage use of sustainable methods of harvesting resources?

c) State one the Rs recommended in waste management.

49. The diagram shows part of the human skeleton.



a) Which part of the skeleton is shown in the diagram?

b) Name one body organ which is protected by the above part of the skeleton.

c) Which mineral should be given to a person who has had a fracture to help him heal faster?

d) Which type of cells are usually produced by the bone marrows?

50. a) In the space below, draw a garden tool used to dig in a stony ground.

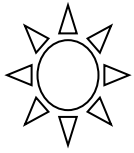
b) State two ways of maintaining garden tools in a good working condition.

i. _____

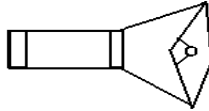
ii. _____

c) State one danger that can result from the misuse of a garden tool.

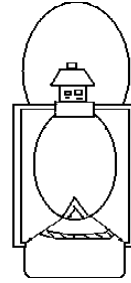
51. The diagram below shows sources of light.



A



B



C

a) Which two sources can be grouped together?

b) Give a reason for your answer.

c) How is the continuous of source C dangerous to human health?

d) State the source of energy used to produced light in B.

52. a) What is wind?

b) How is the blowing of the wind important in rain distribution?

c) State one danger of wind in the environment.

d) How can we protect our homes from the dangers of wind?

53. a) What is a solution?

b) Name one example of a solution.

c) Which solution is commonly used in the treatment of diarrhea diseases?

d) How can we identify a saturated solution?

54. a) What are warm blooded animals?

b) State one group of vertebrates which is warm blooded.

c) How do the human beings help to maintain their body temperature during hot weather?

d) Of what importance is the fur on mammals' bodies?

55. a) What is an electric circuit?

b) State one cause of short circuit.

c) Mention one danger that can be caused by electricity at home.

d) State one way we can protect ourselves from the dangers caused by electricity.

***** GOD FEARING IS THE SOURCE OF WISDOM *****