

NAKASANA JOINT EXAMINATIONS

P. 7 PRE – PRIMARY LEAVING EXAMINATION 2023

INTEGRATED SCIENCE

Time allowed: 2 hours 15 minutes

INDEX NO.									

NAME: _____

STREAM: _____ SIGNATURE: _____

EMIS NO. _____

Read the following instructions carefully:

1. The paper has **two** sections: **A** and **B**.
2. Section **A** has 40 questions. (40 marks)
3. Section **B** has 15 questions. (60 marks)
4. Answer **ALL** questions. All answers to both Sections A and B must be written in the spaces provided.
5. All answers must be written using a blue point pen or ink.
Diagrams should be drawn in pencil.
6. Unnecessary crossing of work may lead to loss of marks.
7. Any handwriting that cannot be easily read may lead to loss of marks.
8. Do **not** fill anything in the boxes indicated; **For Examiner's use only.**

FOR EXAMINER'S 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		

Please turn over

SECTION A.

1. Name the main food value got from meat.

.....

2. State any **one** natural cause of environment degradation?

.....

3. Give the importance of merino sheep to the textile industry.

.....

4. What form of energy is possessed by boiling water?

.....

5. How is the use of fangs in snakes similar to horns in goats?

.....

6. State the healthy practice done every after eating a meal.

.....

7. Name the part of air transported by red blood cells.

.....

8. Give **one** danger of taking drugs without prescription.

.....

9. Which process in the rain cycle lead to the formation of nimbus clouds?

.....

10. Why is chlorophyll important during photosynthesis?

.....

11. Give **one** way of controlling diseases spread by droplet infection.

.....

12. Why is it not good to handle food before washing hands?

.....

13. Name the body organ protected by the spine.

.....

14. Give **one** way of controlling water borne diseases.

.....

15. Apart from alcohol, give another example of a drug of dependency.

.....

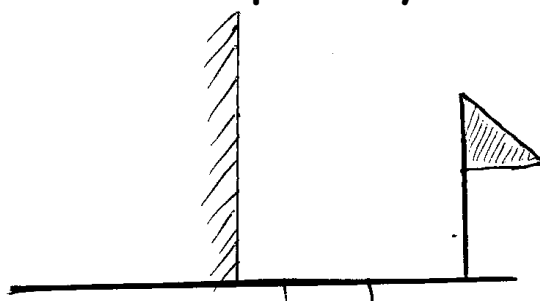
16. How is the function of the kidney similar to that of the skin?

.....

17. Name the component of ORS that enables a dehydrated person to restore energy.

.....

18. The diagram below shows an object placed in front of a plane mirror. Complete by drawing the image.



19. State **one** reason why a rat is classified as a mammal.

.....

20. A bicycle dynamo can provide light to a rider. Which energy change takes place when it is in use?

.....

21. Why do sick people need foods rich in proteins?

22. How does pouring of paraffin in soak pits helps in the control malaria?

23. Give **one** importance of mollusks to poultry farmers.

24. How are bones important in the circulatory system?

25. State **one** way of maintaining soil fertility using natural means.

26. Why is breast milk said to be the best food of babies?

27. How can a P.7 candidate avoid getting HIV/AIDS?

28. State **one** activity done to promote sanitation in classrooms.

29. Give **one** example of renewable resource.

Study the diagram below of a chemical change in the environment, use it to answer question 30 and 31.



30. What will happen to the nails in A after some time?

.....

31. Give a reason for your answer in question 30 above.

.....

32. State the use of the stretcher to the first aider.

.....

33. What type of muscles are the biceps and triceps?

.....

34. Why do liquids flow and evaporate easily?

.....

35. Give **one** characteristic of insect pollinated flowers?

.....

36. State the importance of a fly screen on a VIP latrine?

.....

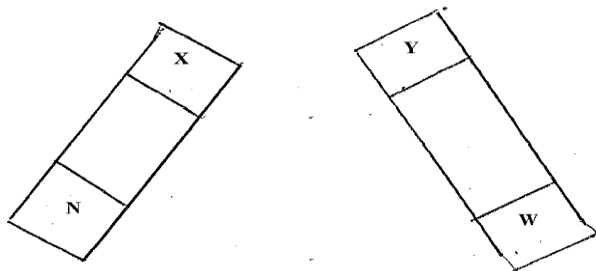
37. Give the use of a queen excluder in a modern bee hive.

.....

38. Apart from maize give another example of a cereal crop.

.....

The diagram below shows two magnets repelling,



39. Identify pole Y?

.....

40. Give the danger of the larva of a butterfly to crop farmers?

.....

SECTION B

41. Smoking is one of the bad social habits practiced by the youth.

a) Give **two** reasons why they smoke?

i)

ii)

b) How does smoking affect the respiratory system?

.....

c) State any **one** way one can avoid active smoking.

.....

42. (a) What does the term "demography" mean.

.....

.....

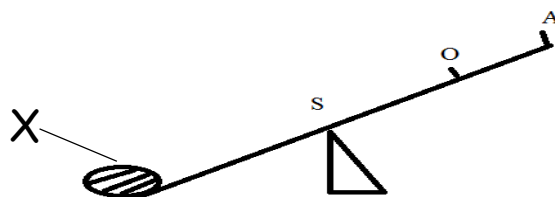
b). Give any **three** health problems caused by high population in the community.

i)

ii)

iii)

43. The diagram below shows a lever system used to lift a load



a) Name point **S**.....

b) Jacob applied a force at point O and point A. at what point will he find it easier to lift the load?

.....

c) Give a reason for the answer in (b) above.

.....

d) Indicate using an arrow the direction of the movement of the load when being lifted.

44. A child suddenly removed a metallic cover of a saucepan full of hot water. The fingers of the child were injured by the metallic cover.

a) What kind of injury did the child get?

.....

b) Why is it good to dip the injured fingers in cold water?

.....

c) Give **two** causes of such accidents at home

i).....

ii).....

45. Study the diagram below carefully and questions that follow.



a) Identify the diseases prevented by the vaccines introduced through parts **J** and **K**.

i) **J**.....

ii) **K**.....

b) Name the method immunization used to introduce vaccines I and L.

i. I.....

ii. L.....

46. (a) From the list below form a food chain.

Grass, kite, rat, caterpillars.

.....

b) What name is given to the following in the above chain?

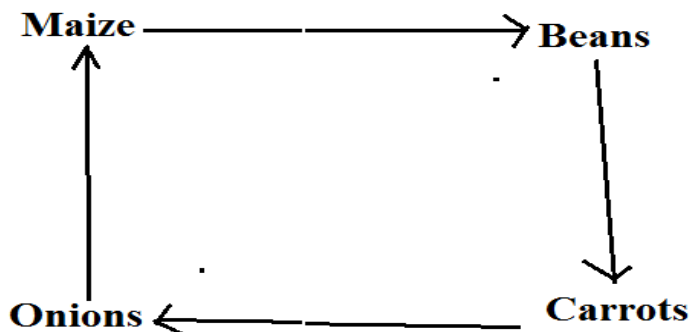
i. Grass.....

ii. Rat.....

c). How do caterpillars benefit from photosynthesis?

.....

47. Use an illustration of a certain crop growing practice below to answer questions that follow.



a) Identify the farming practice above.

.....

b) Why are legumes included in the above farming practice?

.....

c) Give any **two** advantages of the above farming practice to a farmer.

i).....

ii).....

48. a) Name the part of the human ear that is responsible for body balance.

.....

b.) why is it not advisable to clean the ear using sharp objects.

.....

c) State any **one** way we can care for our ears.

.....

d) Give the function of a pinna on the human ear.

.....

49. (a) What is **primary health care**?

.....

.....

c) State the element of primary health care promoted through the following activities.

i) expectant mother attending antenatal care clinic.

.....

ii) primary seven pupils picking rubbish in the compound.

.....

d) Why is primary health care important to the community?

.....

50. (a) Mention any **one** change in the environment under each of the following.

i. Physical change.

ii. Chemical change.....

b) In which **two** ways are biological changes similar to chemical changes?

i).....

ii).....

51. Match the following items correctly

A

a) Saliva

b) Gastric juice.

c) Bile juice.

d) succuss entericus

B

liver

mouth

small intestine

stomach

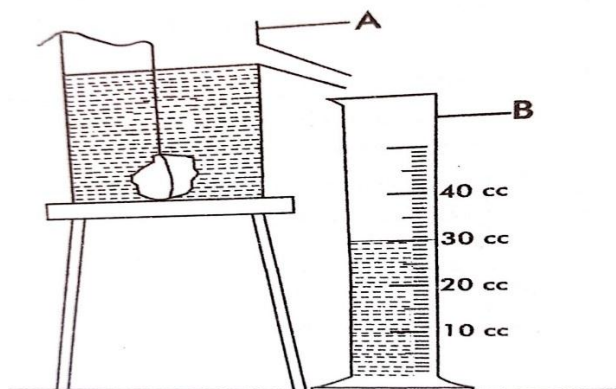
a).....

b).....

c).....

d).....

52. Study the diagram below and answer questions that follow.



- a) Identify the method of finding volume shown above.
.....
- b) Name container marked with letter **A**.
.....
- c) Calculate the density of the object in case its mass is 90g.
(2marks)

53. (a) Where in the human body do the following processes take place?

- i) Fertilization.....
- ii) Ovulation.....
- iii) Implantation.....

b) Apart from producing reproductive gametes, give another function of the ovary in females.
.....

54. (a) To which group of arthropods are the following animals?

- i) Housefly.....
- ii) Tick.....

b) How are the above animals similar?
.....

b) Give **one** danger of houseflies to human health.
.....

55. (a) Name the first set of teeth in humans.

.....

b) Apart from incisors, mention **one** other type of teeth.

.....

c) Give **two** ways of caring for our teeth.

i.....

ii.....

END.