HILL SIDE PRIMARY SCHOOL - NAALYA
P. 7 PRE- PRIMARY LEAVING EXAMINATIONS
Integrated Science
Time allowed: 2 hours 15 minutes

INDEX NUMBER

NAME: _____

Signature: _____

Stream _____

Date _____

Read the following instructions carefully:

1. **The paper is made up of section A and B.**

2. **Section A has 40 short answer questions (40 marks).**

3. **Section B has 15 questions (60 answers).**

4. **Answer ALL questions. All answers to both section A and B must be written in the spaces provided.**

5. **All answers must be written in blue ink.**

6. **Any handwriting that cannot easily be read will lead to loss of marks.**

7. **Unnecessary alteration of work may lead to loss of marks.**

8. **Do not write anything in the box indicated examiner's use only.**

TEACHER'S COMMENT	SIGNATURE

SECTION A: 40 MARKS

1. Name any one animal that provided labour to people.

   _____

2. How does a mushroom obtain its food?

   _____

3. Write any one disadvantage of washing vehicles near water bodies.

   _____

4. Mention any one mixture that can be separate using a magnet.

   _____

5. Give a reason for which fresh fruits should be included in one's diet.

   _____

6. In which way is the feeding of an eagle similar to that of a lion?

   _____

7. How do wetlands increase the spread of malaria in an area?

   _____

   The diagram below shows a safety equipment. Use it to answer questions 8 and 9.

8. Which component of air is used in the above equipment?

   _____

9. Why is the above equipment painted with bright and clear colours?

   _____

10. State any one sign of heat period in a cow.

    _____

11. Give any one characteristic which makes sand soil suitable for building.

    _____
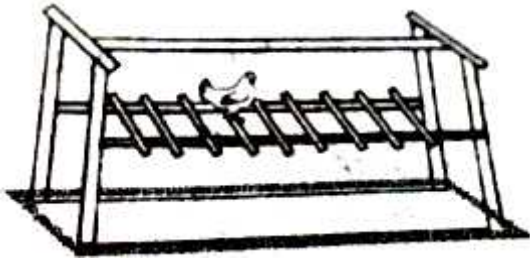
12. What is the importance of regular spreading of beddings in sunshine?

    _____

13. Write any one structural difference between a snail and a slug.

    _____

14. Which element of Primary Health Care (PHC) is promoted by draining stagnant water from the compound?

    _____

15. What First Aid can you give to a person with an insect in his / her ear?

    _____

The diagram below shows a wooden structure put in a deep litter house of poultry. Use it to answer questions 16 and 17

16. Identify the wooden structure shown above.

_____

17. How important is the above structure to poultry?

_____

18. Why are calves disbudded?

_____

19. In which way does rotation grazing help to control tick born diseases in livestock?

_____

20. Give any one factor which affects the rate of evaporation.

_____

21. Write any one health habit which promotes proper working of the human lungs.

_____

22. Why do electricians wear rubber gloves when carrying out repairs?

_____

23. Name the type of immunity passed on from mother to a baby through the placenta and breast milk.

_____

24. State any one adaptation of carnivorous mammals to their mode of feeding.

_____

25. Give a reason for which a person infected with HIV/AIDS becomes more vulnerable to other diseases.

_____

26. Write one secondary sex characteristic which occurs in both male and female adolescents.

_____

27. State any one way of controlling insect borne diseases in a home.

_____

28. In which way does the use of solar cooker help to conserve trees in an area?
_____

29. Apart from floods, mention any one other natural hazard that may displace people.
_____

30. Write any one disadvantage of free range system in rearing of goats.
_____

31. Why is heat transfer by conduction not possible in liquids and gases?
_____

32. How are echoes important to a bat during flight?
_____

The diagram below shows a method of seed dispersal. Use it to answer questions 33 and 34.

33. Identify the method of seed dispersal shown.
_____

34. Name any one plant whose seeds are dispersed as shown.
_____

35. Give any one characteristic common to all arthropods.
_____

36. What is the importance of planting short grass as a method of controlling soil erosion in a school compound?
_____

37. Why are muscles of a human heart regarded as involuntary muscles?
_____

38. Mention one activity done by crop farmers during windy weather.
_____

39. How is the spread of sleeping sickness different from that of malaria?
_____

40. Give one characteristic of flowers pollinated by wind.
_____

SECTION B

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

_____

b) List any two diseases which attack rabbits.

i) _____ ii) _____

c) Write one advantage of keeping rabbits over goats and sheep.

_____

The diagram below shows a casualty who has just fainted. Study the diagram carefully and answer the questions that follow.

42. (a)   What scientific term describes the person marked F?

_____

(b)   What is the main cause of such accident?

_____

(c)   Why are the legs of the casualty raised slightly higher than the head?

_____

(d)   What is the importance of fanning the casualty as shown above?

_____

43. In the table below, list A shows examples of tools and list b shows class of simple machines they belong to in their wrong order.

List A. Example of a tool	List B. Class of simple machine
A pair of scissors	Screws
A leaning ladder	First class levers
An egg beater	Inclined planes
Nuts and bolts	Wheels and axles

Select from the table the correct class of simple machine of a tool and write in the space provided below.
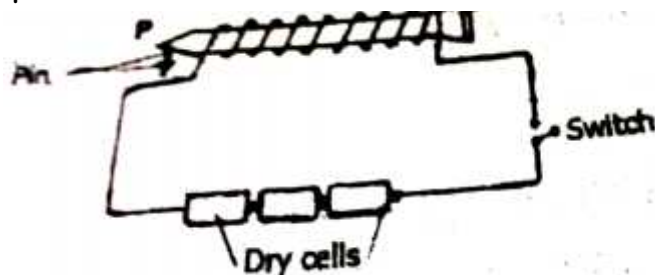
a) A pair of scissors: _____

b) A leaning ladder: _____

c) An egg beater: _____

d) Nuts and bolts: _____

44. (a) State the function of each of the following parts of a VIP latrine
    (i) Screen: _____
    (ii) Vent pipe: _____
    (b) Give any two ways of promoting cleanliness in an ordinary pit latrine.
       i) _____
       ii) _____
45. (a) Where in the human digestive tract does the digestion of each of the following begin?
       i) Proteins: _____
       ii) Fats and oils: _____
    (b) Apart from killing germs, write one other role of hydrochloric acid during digestion of food.
    _____
    (C) State any one way the ileum is adapted to its function.
    _____

46. The diagram below shows a method of making magnets. Use it to answer the questions that follow.

    (a) Identify the method of making magnets shown in the diagram.
    _____
    (b) Identify the magnetic pole of the soft iron marked P.
    _____
    (c) What will happen to the pin on the soft iron when the switch is open?
    _____
    (d) Use an arrow to show the direction of current flow on the conducting wire.

47. The table below shows diseases, vectors, germs which they carry and the diseases caused. Study and complete it correctly.

Disease vector	Germ carried	Disease caused
_____	Schistosomes	Bilharziasis
Simulium flies	Onchcerca volvulus	_____
Female anopheles mosquito	_____	Malaria
_____	Vibro cholera bacterium	cholera

48. (a) Mention any two methods of applying fertilizers in a garden.

    i) _____

    ii)_____

    (b) List ay two disadvantages of using artificial or inorganic fertilisers in crop growing.

    (i)   _____ _____

    (ii) _____

49. (a) Name the process by which plants lose water as vapour to the atmosphere through the stomata.

    _____

    (b) In which way do plants benefit from the above process?

    _____

    (c) How is the above process useful to the environment?

    _____

    (d) How does pruning of a plant help to reduce the rate of water loss?

    _____

50. (a) Mention any one example of a fungus.

    _____

    (b) State any one way in which fungi are different from plants.

    _____

    (c) Write two ways through which people make use of yeast.

    (i) _____

    (ii) _____

51. (a) List any two negative effects of drug abuse to human health.

    (i) _____

    (ii) _____

    (b) Write any two ways of controlling drug poisoning in a family.

    (i) _____

    (ii) _____
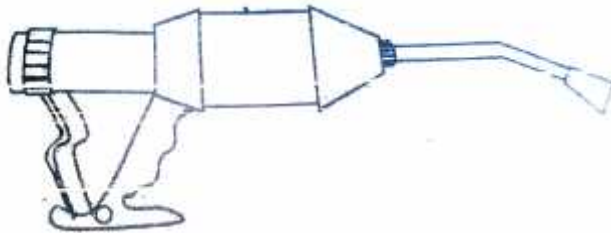
52. (a) Name the two types of female bees in a bee hive.

(i) _____

(ii) _____

(b) Apart from making honey, give any one other duty of worker bees in a bee hive.

_____

(c) State any one advantage of using modern bee hives in bee keeping.

_____

53. The diagram below shows a tool used in cattle management. Use it to answer the questions that follow.

(a) Name the tool shown in the diagram.

_____

(b) Which activity on cattle farm is carried out using the above tool?

_____

(c) Mention two other routine activities carried out on cattle farm besides the one in (b) above.

i) _____

ii) _____

54. (a) Name one process in plants which uses;

(i) Carbon dioxide gas: _____

(ii) Nitrogen gas: _____

(b) Give any one natural process which lowers the percentage of oxygen in the atmosphere.

_____

(c) Give any one way of controlling the dangers of air pollution.

_____

55. (a) List any two diseases in humans which result from poor oral hygiene.

i) _____

ii)_____

(b) State any one reason for brushing one's teeth regularly.

_____

(c)   In which way does regular brushing of teeth help to control tooth decay?

_____

********************** END ************************

Good luck on your exam!
Give your shot on it
I am pretty confident that you can make it
My best wishes are with you