****UGANDA NATIONAL EXAMINATION BOARD

PRIMARY LEAVING EXAMINATION

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Dr. Bbosa Science

Science 2010

Time allowed: 2hours 15 minutes

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Index No:

Candidate’s Name……………………………………………………………………………………..

Candidate’s signature…………………………………………………………………………………..

District Name…………………………………………………………………………………………………

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| **FOR EXAMINERS**  **USE ONLY** | | |
| **No.** | **MARKS** | **EXR’S NO.** |
| **1-10** |  |  |
| **11-20** |  |  |
| **21-30** |  |  |
| **31-40** |  |  |
| **51** |  |  |
| **52** |  |  |
| **53** |  |  |
| **54** |  |  |
| **55** |  |  |
| **Total** |  |  |

Read the following instructions carefully

1. This paper has two sections **A** and **B.** Section **A** has 50 questions and section **B** has 5 questions. The paper has 15 pages following altogether.
2. Answer all questions. All answers to both sections A and B must be **written** in the spaces provided.
3. All answers must be written using a blue or black ball-point pen or ink. **Any** work written in pencil other than graphs, pictures and diagrams will **not** be marked.
4. Unnecessary change of work may lead to loss of marks.
5. Any handwriting that cannot easily be read may lead to loss to marks.
6. Do not fill anything in the boxes indicated:
7. “For examiners’. Use only and inside the question paper

SECTION A (40 MARKS)

Questions 1 to 40 carry one marks each.

1. Name the sense organ for hearing.

**- Ear, lateral line, feelers, antennae**

2. Give one item used for cleaning hands after visiting a latrine or toilet.

**- Water**

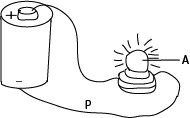
**- Soap**

3. State one way in which rain may be a disadvantage to a crop.

**May lead to flooding, makes transport difficult, destroy crop, delaying of drying**

**The diagram below is of a simple circuit**

Use it to answer questions and 4 and 5



4. Draw an arrow on line **P** to show the direction of the flow of electricity.

5. Apart from light, which other form of energy is produced at A?

**Heat**

6. What is the importance of dipping cattle?

**- Kills ectoparasite**

**- prevent tick-borne diseases**

**- to prevent east coast fever**

7. Write down one bad behavior which is a result of drug abuse.

**Defilement, rape, robbery, sadism, masochism, aggression, arson**

8. Name one type of seed dispersal.

* **Animal dispersal**
* **Water dispersal**
* **Wind dispersal**
* **Self-mechanism**

9. Sunbirds visit flowers to get nectar, how do plants benefit from these birds?

………………………………………………………………………………………………………

………………………………………………………………………………………………………

10. Give one way in which the cause of a scald is similar to that of a burn.

………………………………………………………………………………………………………

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11. Name the best soil for making pots.

………………………………………………………………………………………………………

12. Write down one block in a food path.

………………………………………………………………………………………………………

………………………………………………………………………………………………………

13 Give one way in which health education is important in controlling over population.

………………………………………………………………………………………………………

………………………………………………………………………………………………………

14. How can a farmer make use of cow dung produced by his animals?

………………………………………………………………………………………………………

………………………………………………………………………………………………………

Turn Over.

15. State one way in which hens are important in prevention of deficiency diseases in man.

………………………………………………………………………………………………………

………………………………………………………………………………………………………

16 Arrange the following organisms in the correct order of the food chain.

Caterpillar dog leaves bird

………………………………………………………………………………………………………

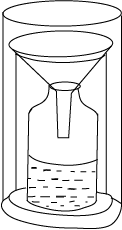
17. Why is a person with hook worms likely to suffer from anemia?

………………………………………………………………………………………………………

………………………………………………………………………………………………………

The diagram below is a weather instrument

Study it and answer question **18**



18. What is the use of the instrument in a weather station?

………………………………………………………………………………………………………

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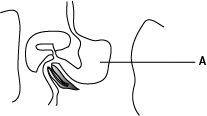
19. Give a reason for keeping Ebola victims away from other people.

………………………………………………………………………………………………………

………………………………………………………………………………………………………

The diagram below part of the human digestive system.

Use it to answer question **20**



20. Name the class of food which is digested in the part marked A.

………………………………………………………………………………………………………

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21. Write down one way in which a primary seven pupil can help in the control of cholera in a community.

………………………………………………………………………………………………………

………………………………………………………………………………………………………

22. Give one way in which the preservation of millet and fish differs.

………………………………………………………………………………………………………

………………………………………………………………………………………………………

23. State one way of controlling Nagana in an area.

………………………………………………………………………………………………………

24. Give one example of a plant with prop roots.

………………………………………………………………………………………………………

25. Name the type of family where there are parents and their biological children only. Turn over. ………………………………………………………………………………………………………

………………………………………………………………………………………………………

26. Write down one function of joint in a human body.

………………………………………………………………………………………………………

………………………………………………………………………………………………………

27. You are a health prefect in your school. Give one activity you would do during a health parade.

………………………………………………………………………………………………………

………………………………………………………………………………………………………

28. How is wind useful to human beings?

………………………………………………………………………………………………………

………………………………………………………………………………………………………

29. Why is mercury used in a thermometer instead of water?

………………………………………………………………………………………………………

………………………………………………………………………………………………………

30. State one natural source of sound energy.

……………………………………………………………………………………………………

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31. Write down the function of tests in a human reproductive system.

………………………………………………………………………………………………………

………………………………………………………………………………………………………

32. Give the difference between river blindness and night blindness

………………………………………………………………………………………………………

………………………………………………………………………………………………………

33. How is a thermos flask helpful in a home?

………………………………………………………………………………………………………

………………………………………………………………………………………………………

34. A part from absorption of water and mineral salts one other use of roots to a cassava plants.

………………………………………………………………………………………………………

………………………………………………………………………………………………………

35. State one effects of heat on a metal

………………………………………………………………………………………………………

………………………………………………………………………………………………………

36. How does mulching help to keep moisture in the soil?

………………………………………………………………………………………………………

………………………………………………………………………………………………………

37. What determines the size of the image in a pinhole camera?

………………………………………………………………………………………………………

………………………………………………………………………………………………………

38. Give one way in which energy from animals can be used.

………………………………………………………………………………………………………

………………………………………………………………………………………………………

39. Write down the first Aid you would give to a person who has been bitten by a poisonous snake on the lower part of the leg.

………………………………………………………………………………………………………

………………………………………………………………………………………………………

40. Why does a coin sink when it is placed in a basin full of water?

………………………………………………………………………………………………………

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**SECTION B (60 Marks)**

**Questions 41 to carry four marks each.**

41. (a) Name one natural and artificial source of light.

(i)Natural……………………………………………………………………………………

………………………………………………………………………………………………………

(ii)Artificial…………………………………………………………………………………

………………………………………………………………………………………………………

(b) Why is the moon not regarded as a source of light?

………………………………………………………………………………………………………

………………………………………………………………………………………………………

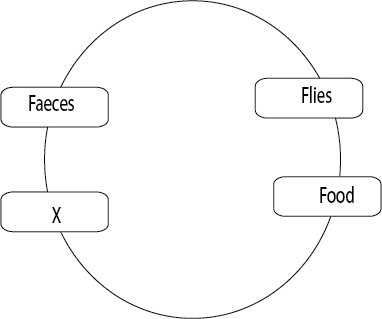
(c ) Give one way in which reflection of light is important to man.

………………………………………………………………………………………………………

………………………………………………………………………………………………………

The diagram below shows how disease can be spread through the 4Fs

Use it to answer question **42**.



42.(a) Give the word which should be in the box marked X

………………………………………………………………………………………………………

(b) name two activities which can be done to avoid the spread of diseases through food.

(i)……………………………………………………………………………………………

………………………………………………………………………………………………………

(ii)…………………………………………………………………………………………

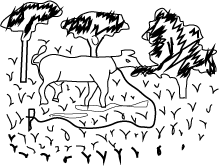
………………………………………………………………………………………………………

(c) What structure on the body of fly makes it spread diseases?

………………………………………………………………………………………………………

………………………………………………………………………………………………………

The diagram below shows one of the methods of grazing goats in Uganda.

Study it and use it to answer question.

43.(a) Name the method of grazing goats shown in the diagram.

………………………………………………………………………………………………………

………………………………………………………………………………………………………

(b) Give two advantages of using the methods shown in the diagram.

(i)……………………………………………………………………………………………………………………………………………………………………………………………………

(ii)……………………………………………………………………………………………………………………………………………………………………………………………….

(c) Write down one disadvantage of using this method.

………………………………………………………………………………………………………

44. Match the items in list A with their function in list B

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| --- | --- |
| **List A** | **List B** |
| Red blood cells | Stop bleeding when the skin is cut. |
| Arteries | Carry oxygen around the body |
| Valves | Carry blood away from the heart |
| platelets | Prevent back flow of blood in veins |

(a) Red blood cells …………………………………………………………………………………

(b) Arteries…………………………………………………………………………………………

(c) Platelets ……………………………………………………………………………………….

(d) Valves………………………………………………………………………………………..

45. (a) Give two benefits of planting trees in your school compound

(i) ………………………………………………………………………………………………….

……………………………………………………………………………………………………...

(ii) ………………………………………………………………………………………………….

…………………………………………………………………………………………………….

(b) What two things can you do to protect plants in your school compound?

(i) ………………………………………………………………………………………………….

……………………………………………………………………………………………………..

(ii) ………………………………………………………………………………………………….

…………………………………………………………………………………………………….

46. (a) Name the type of cattle kept for milk production.

………………………………………………………………………………………………….

(b) Give one example of exotic breeds of cattle which are the beat for milk production.

………………………………………………………………………………………………….

(c ) Write down two activities a farmer should do in order to get clean milk from a cow.

(i) ………………………………………………………………………………………………….

…………………………………………………………………………………………………….

(ii) ………………………………………………………………………………………………….

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47. (a) State one primary health care activity children can do to help their mothers when cooking.

………………………………………………………………………………………………….

(b) Write down three health care activities that can be provided to the elderly in our homes.

(i) ………………………………………………………………………………………………….

………………………………………………………………………………………………….

(ii) ………………………………………………………………………………………………….

………………………………………………………………………………………………….

(iii) ………………………………………………………………………………………………….

………………………………………………………………………………………………….

48.(a) Name two scavengers in the environment

(i) ………………………………………………………………………………………………….

(ii) ………………………………………………………………………………………………….

(b) In which way are scavengers useful in the environment?

………………………………………………………………………………………………….

………………………………………………………………………………………………….

(c) Give the difference between a predator and a scavenger.

………………………………………………………………………………………………….

Turn over

49. (a) Which organ removes urine from the body?

………………………………………………………………………………………………….

………………………………………………………………………………………………….

(b) To which body system does the organ that removes urine from the body?

………………………………………………………………………………………………….

………………………………………………………………………………………………….

(c) Where does urine collect before it is removed from the body?

………………………………………………………………………………………………….

………………………………………………………………………………………………….

(d) Name one substance found in urine.

………………………………………………………………………………………………….

………………………………………………………………………………………………….

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50. (a) Name two water resources in Uganda that provide us with proteins.

(i) ………………………………………………………………………………………………….

(ii) ………………………………………………………………………………………………….

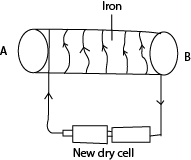
(b) Give two human practices that can lead to the destruction of such resources.

(i) ………………………………………………………………………………………………….

(ii) ………………………………………………………………………………………………….

**The diagram below shows a method of making a magnet.**

**Study it and use it to answer question 51.**



51(a) Name the method of making a magnet shown in the diagram

………………………………………………………………………………………………….

………………………………………………………………………………………………….

(b) What pole will the part marked A become?

………………………………………………………………………………………………….

………………………………………………………………………………………………….

(c) What would you do to the dry cells in order to increase the strength of the magnet?

………………………………………………………………………………………………….

………………………………………………………………………………………………….

(d) Apart from the method shown in the diagram, name any other method of making a magnet.

………………………………………………………………………………………………….

………………………………………………………………………………………………….

52.(a) Name the germ that cause HIV/AIDS.

………………………………………………………………………………………………….

………………………………………………………………………………………………….

(b) Apart from having sex with an infected person, write down two other ways in which one can get the germ that causes HIV/AIDS

(i) ………………………………………………………………………………………………….

………………………………………………………………………………………………….

(ii) ………………………………………………………………………………………………….

………………………………………………………………………………………………….

(c ) ABC is a way of controlling the spread of the germ that causes **HIV/AIDS** .what does **A** stand for?

………………………………………………………………………………………………….

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53.(a) Apart from killing people, give two other dangers of lighting

(i) ………………………………………………………………………………………………….

………………………………………………………………………………………………….

(ii) ………………………………………………………………………………………………….

………………………………………………………………………………………………….

54. In an experiment, salt is mixed with water stirred until it dissolves to make a solution,

(a) What do the following act as in the experiment?

(i)Salt………………………………………………………………………………………………

…………………………………………………………………………………………………….

(ii)Water……………………………………………………………………………………………

…………………………………………………………………………………………………….

(b) Name any other substance that could be used instead of salt.

………………………………………………………………………………………………….

………………………………………………………………………………………………….

(c) How can salt be removed from the solution?

………………………………………………………………………………………………….

………………………………………………………………………………………………….

55. Why are vaccine used in the prevention of certain diseases?

………………………………………………………………………………………………….

………………………………………………………………………………………………….

(b) How is the measles vaccine given to a baby?

………………………………………………………………………………………………….

………………………………………………………………………………………………….

(c) A part from immunization, state two other ways in which a baby`s immunity can be improved.

(i) ………………………………………………………………………………………………….

……………………………………………………………………………………………………..

(ii) ………………………………………………………………………………………………….

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**END**