



BROADWAY NURSERY AND PRIMARY SCHOOL

PADIBE TOWN COUNCIL-LAMWO DISTRICT
P.O BOX 406, KITGUM, UGANDA

PRE-PLE JOINT EXAMINATIONS

P.7 SCIENCE

Time allowed: 2hours 15minutes

Candidate's Name:

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Stream

SECTION A

1. Name the body organ that controls all body activities.

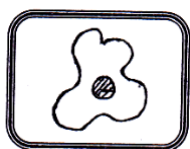
2. How useful are nasal hairs in the nostrils?

3. Besides optimum temperature, name any other condition necessary for germination.

4. Name the structure of the root that protects it from mechanical damage.

5. State any one way in which excretion takes place in human beings.

Below is a blood cell.



6. Name the blood cell above.

7. State any one way in which the above cell carries out its function.

8. Name the sense organ destroyed by leprosy in humans.

9. Give any one digestive gland.

10. State the functional difference between ligaments and tendons.

11. Name one element of weather.

12. How is a clay charcoal stove a means of conserving the environment?

13. At what age is injectable polio vaccine administered?

14. State any one way in which transpiration is important to plants.

15. Explain magnetism.

Below is a seed.



16. How is the above seed dispersed?

17. State the difference between reflection and refraction of light.

18. Mention any one material used to make biogas.

19. Name the disease caused by the deficiency of iron in the human diet.

20. Why is burning of papers into ash regarded as a chemical change?

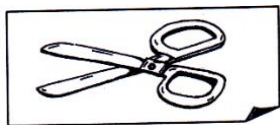
21. Give any one component of a first aid box.

22. What are saprophytes?

23. Of what importance are earth worms to the soil?

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-
24. How useful is a litter bin in the class room?
-
25. Name the standard unit for force.
-
26. Give the importance of school health parades to the pupils.
-
-

Below is a simple machine.



27. To which class of levers does it belongs?
-
28. Give a reason for your answer in No. 27 above.
-
-
29. Convert 149°F to $^{\circ}\text{C}$.
-
30. In the space provided below, draw the conformation of dairy cattle.
-
31. What scientific term is given to the artificial provision of immunity to people?
-
32. How do coniferous trees reproduce?
-
33. Identify any one part of the body where hinge joints are found.
-
34. How different is a VIP latrine from an ordinary pit latrine?
-

35. State any one property of sound.

36. Why is water regarded as a renewable resource?

37. Name the form of energy stored in dry cells.

38. How useful is a tongue in digestion?

39. Explain how mulching controls soil erosion.

40. Give any one factor considered before setting up an apiary.

SECTION B

41. (a) What is food? _____

(b) Give any one group of food.

(c) Describe these terms;

i) Feeding:

ii) Nutrition:

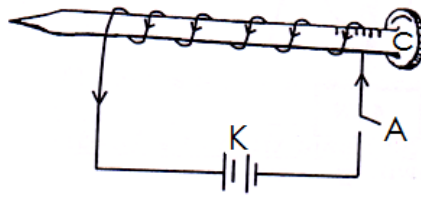
42. (a) Give any one example of a renewable form of energy.

(b) State the difference between renewable and non-renewable forms of energy.

(c) Give two examples of fossil fuels.

i) _____ ii) _____

43. Use the diagram below to answer questions that follow.



(a) Name part marked C.

(b) What energy change takes place in K when A is closed?

(c) Identify the method used to make the magnet above.

(d) State one use of magnets in our daily life.

44. (a) Where in a green plant does photosynthesis takes place?

(b) Apart from chlorophyll, give any two requirements for photosynthesis.

i) _____

ii) _____

(c) Identify the by-product of photosynthesis.

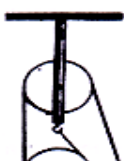
45. (a) How useful are the kidneys to the human body?

(b) Name the blood vessel that carries blood from the kidney to the vena cava.

(c) How does blood carried to the kidneys differ from that removed from the kidneys?

(d) Give any one substance that is re-absorbed in the medulla of the kidney.

46. The diagram below is of a pulley system. Study it and answer questions below.



(a) Name the pulley drawn.

(b) Find the effort used to raise the load.

(c) Why is a pulley regarded as a simple machine?

47. (a) Who is an invalid person?

(b) Why should people in the above condition be given first aid?

(c) Give one quality of a good first aider.

(d) What first aid should be given to a victim of nose bleeding?

48. (a) Mention any one characteristic of essential drugs.

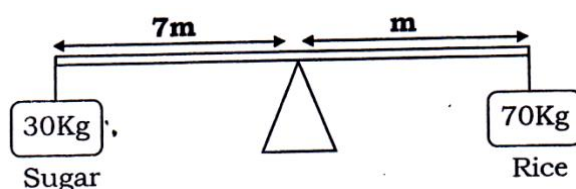
(b) State any two drugs of dependence.

i) _____

ii) _____

(c) What term is used to explain too old drugs to be used by patients?

49. **The diagram below shows a simple machine. Use it to answer the questions that follow.**



(a) Use letter Y to show the position of the fulcrum.

(b) Find the value of m.

(2mks)

(c) In which class of levers is a simple machine above?

50. **Match the contents of A to their meaning in B.**

A

Steaming up

Lactometer

Dehorning

Shearing

B

removal of wool from Lincoln long sheep

removal of horn buds from farm animals' heads

high level of feeding to a pregnant cow

An instrument used to measure the specific gravity of milk or amount of water in milk

i) Steaming up _____

ii) Lactometer _____

iii) Dehorning _____

iv) Shearing _____

51. (a) Give one natural process in plants in which

(i) Carbon dioxide is used

(ii) Oxygen is used

(b) What useful product is produced in a (i) above?

(c) Give any other natural process that uses oxygen.

52. (a) Give the end products of these classes of food:

(i) Proteins _____

(ii) Carbohydrates _____

(b) State the importance of the maintaining the proper working of the digestive system.

(c) Give any good practice for the maintaining the proper working of the digestive system. _____

53. (a) Give the meaning of the term soil profile.

(b) Name any two components of soil.

i) _____

ii) _____

(c) Why is loam soil suitable for crop growing?

54. (a) State any one property of magnets.

(b) Mention any two ways in which magnets lose their magnetism.

i) _____

ii) _____

(c) How useful are magnets to pilots?

55. List any four requirements of a home for proper sanitation.

i) _____

ii) _____

iii) _____

iv) _____

*******GOD BLESS*******