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PRIMARY LEAVING MOCK EXAMINATION, 2025
P.7 INTEGRATED SCIENCE
Time allowed: 2hours 15 minutes

Index No. | | | | | | | | | | | STREAM: _____

Candidate's Name: _____

SECTION A (40 MARKS)

1. Name the type of soil that is most suitable for modeling.

_____

2. Apart from death and lameness, state one other effect of accidents to human beings.

_____

The diagram below shows a maize seed, Use it to answer question 3.

3. Draw an arrow showing the part that comes out first during seed germination.

4. State one way of caring for the brain.

_____

5. How is a clinical thermometer made suitable for measuring body temperature?

_____

_____

6. Which class of food is referred to us protective foods?

_____

7. Apart from planting trees, state one other way of managing changes in the environment.

_____

8. Write one primary sex change that occurs in girls.

_____

9. Give one factor that determines pitch of sound produced by a string of a harp.

_____

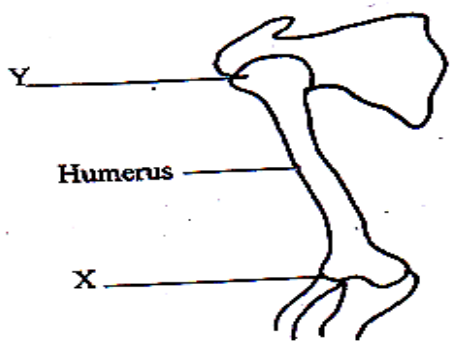
_____

10. Name the organisms in the environment responsible for the formation of soil from organic matter?

11. What sign differentiates dysentery from common diarrhea?

12. Name one plant that easily grows in dry rocky places.

The diagram below is of joints in the body. Use it to answer question 13.



13. What type of movement is possible at joint marked Y?

14. How does wind cause changes in weather of a place?

15. Mention one way of caring for people with special needs in our communities.

16. Apart from keeping moisture in the soil, how else is mulching useful in a plantation.

17. What health danger do members of a family face when one of their own smokes?

18. Other than severe vomiting, give one other sign of danger in pregnancy.

19. How do vectors spread diseases?

20. Give one example of animal fibre in the environment.

_____

21. Apart from food, mention one other way fungi are important to man.

_____

22. How can a farmer control pests and diseases in a garden?

_____

_____

23. Give one situation when bottle feeding is most appropriate.

_____

24. Name one disorder of the respiratory system.

_____

25. State one difference between weight and mass.

_____

_____

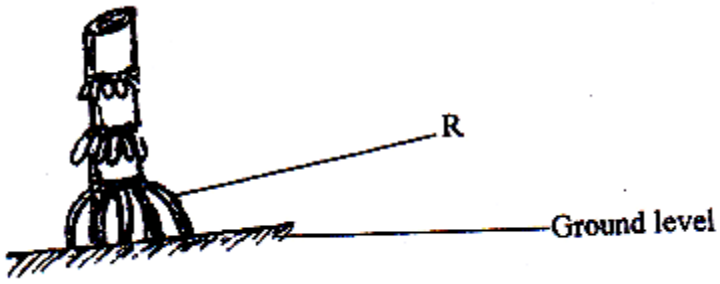
26. What type of change is germination?

_____

27. Write one activity of PHC that promotes community hygiene.

_____

The diagram below is of a sorghum plant. Use it to answer question 28.



28. Give the specific function of roots marked R.

_____

_____

29. Why are farmers encouraged to use artificial insemination in their live stock farm? _____

_____

30. How do plants benefit from other plants?

_____

_____

31. State one safety rule on roads.

_____

32. What is the melting point of ice in ^{0}C?

_____

33. Give one way white blood cells protect the body.

_____

34. For what purpose should a farmer rear merino sheep?

_____

35. Why should a child suffering from measles be isolated?

_____

36. How are carnivores adapted to their way of feeding?

_____

_____

37. State one way machines do work.

_____

38. Why would it be advantageous for a farmer to keep a saanen goat rather than an Angola Nubian goat?

_____

_____

39. Give one condition which can lead to fainting.

_____

40. Apart from balanced diet, state one other basic need of a community to prevent health problems.

_____

SECTION B

41(a) In which two ways can soil lose its fertility?

(i) _____

(ii) _____

(b) How does each of the following practices help to conserve soil?

(i) Bush fallowing: _____

_____

(ii) Crop rotation: _____

_____

42. **The table below shows foods prepared fore meals in different homes over a period of time**.

FAMILY P	**FAMILY R**	**FAMILY Q**	**FAMILY TT**
Sweet potatoes	Sukuma wiki	Fish	Passion juice
Ground nuts	Irish potatoes	Dodo	Mango fruit
Beef	Beans	Cassava	Mango fruit
Water	Water	Water	Water

(a) Identify any family which had a balanced diet.

_____

45(a) What is energy?

_____

_____

(b) Name two forms of energy.

(i) _____

(ii) _____

(c) What type of energy does a book resting on the desk posses?

_____

46(a) Which is the main danger of HIV in the body?

_____

(b) Give one effect of HIV / AIDS in a community.

_____

(c) State one service provided by the Aids support organization (TASO) in Uganda.

_____

(d) How can one live positively with HIV/AIDS?

_____

47(a) Write two common water pollutants.

(i) _____

(ii) _____

(b) Name one method that can be used to make clean for home use.

_____

(c) Give one method that can be used to make water safe and suitable for drinking.

_____

48(a) In which way does water serve as a source of energy?

_____

_____

(b) Name one energy resource we get from animals.

_____

(c) Give one advantage of using animal waste as a source of energy over fossil fuels.

_____

_____

(d) Name one process in plant growth that uses energy from the sun.

_____

_____

The diagram below are of two leaves. Use them to answer question 49.

49(a) Identify the types of leaves in A and B.

A  …….....	**B**  ……

(b) Name one plant with such a leaf as in diagram;

(i) A: _____

(ii) B: _____

The diagrams below are of intestinal worms. Use them to answer question 50.

50(a) Identify worms A and B.

(i) A: _____

(ii) B: _____

(b) What does worm B feed on while in the intestines?

_____

_____

(c) How can we prevent infection of worm A?

_____

_____

51. Name the system that helps the body to carry out each of the following roles;

(a) Taking in food:

_____

_____

(b) Carry food and oxygen to all parts of the body:

_____

_____

(c) Using food to get energy.

_____

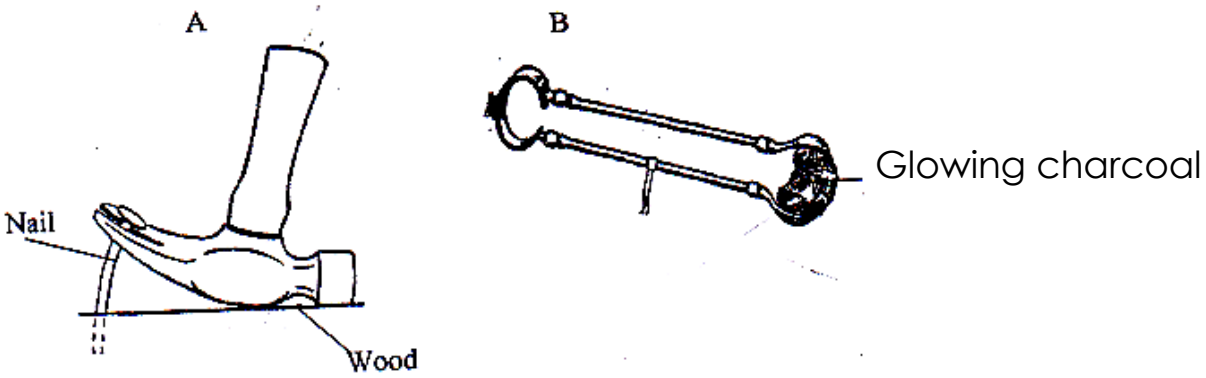
_____

(d) Removing waste products.

_____

_____

The diagrams below are of simple machines. Use them to answer question 52.

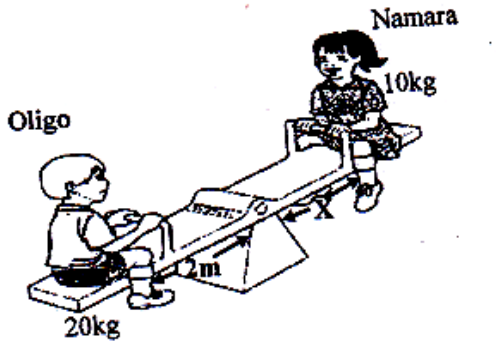


52(a) Classify the machines into 1st, 2nd or 3rd class levers.

(i) A: _____

(ii) B: _____

(b) Two children; Oligo and Namara balance on a see-saw as shown below.



Oligo is 20kg and Namara is 10kg. How far from Oligo must Namara sit in order for the see-saw to balance?

53. ***Match the following diseases in A with their causes in B.***

A	**B**
East Cost fever	virus
Brucellosis	lack of calcium
Rider pest	protozoa
Milk fever	bacteria

(a) East Cost fever: _____

(b) Brucellosis: _____

(c) Rider pest: _____

(d) Milk fever: _____

The table below shows four types of immunity. Use it to answer the questions that follow.

Active Natural immunity	Passive Natural immunity
Active artificial immunity	Passive artificial immunity

54. What type of immunity does a baby get;

(a) from the mother's breast milk during breast feeding.

_____

(b) by suffering from a disease and it cures.

_____

(c) from a vaccine given during immunization.

_____

(d) from antibodies prepared in the laboratory.

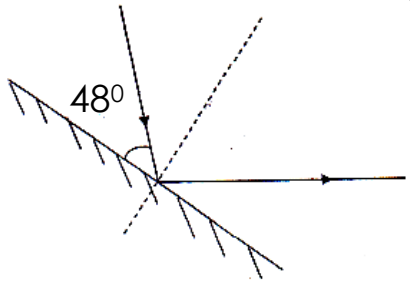
_____

55(a) State one law of reflection.

_____

_____

(b) The diagram below shows a ray of light hitting a shiny surface and is reflected. Calculate the angle of reflection.



(c) Name one device that functions using the principle of reflection of light.

_____

_____

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