



# **HILLSIDE PRIMARY SCHOOL-NAALYA**

## **BASIC SCIENCE AND HEALTH EDUCATION**

### **MOCK EXAMINATION SET 2**

**TERM TWO 2020**

#### **SECTION A:**

1. Why do we wash our hands after garden work?

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2. In the space below, draw the internal structure of a bean seed and name the cotyledon.

3. Identify one cause of dehydration in human beings.

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4. Give one similarity between the function of spiracles of an insect and gills of a fish.

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5. How is malaria commonly spread among people?

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6. Why does clay soil retain (hold) water for a longer time than sand soil?

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7. What happens to iron when it is exposed to water and oxygen?

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8. Name the type of joint found in the neck region.

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9. Why do some plants shed of their leaves during dry season?

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10. Which structure makes a stem be used for propagation?

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11. Identify the gland that helps in the production of saliva.

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12. What benefit do crops get from animals in mixed farming?

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13. Which stage of development in human beings is characterized by aggression and disobedience?

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14. Why is it important to regularly weed crops?

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15. Which pigment in the skin determines the skin colour?

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16. Identify one way in which the electricity produced from Jinja is used by its consumers?

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17. State the danger of improper use of the toilet/latrine.

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18. Complete the diagram below by drawing its shadow.

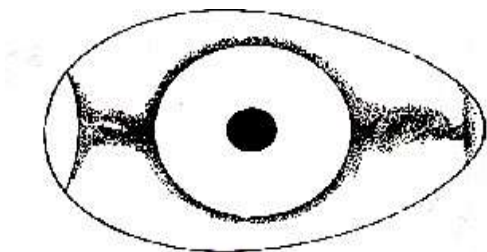
19. In which way is paddock grazing system an advantage?

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20. Why is a clinical thermometer an important tool in a health centre?

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21. The diagram below is of an egg. State the function of R besides protecting the internal parts.



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22. Why do objects fall downwards once thrown upwards?

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23. Mention one secondary sex characteristic in female adolescents.

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24. Of what importance is the sugar in the oral rehydration solution?

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25. By what process does food move through the alimentary canal?

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26. How are frogs different from birds in terms of reproduction?

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27. What property of air is demonstrated by the diagram below?

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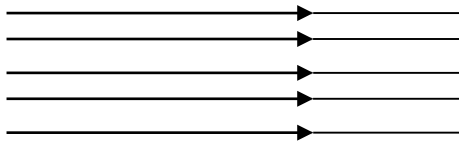
28. How best can water be made safe for drinking?

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29. Why do car tyres rotate more than the distance they cover on a muddy ground?

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30. Name the beam of light shown below.



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31. Give one way in which children in P.2 can use the air to play.

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32. How lizards living in a residential house important?

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33. Why do most babies who have been suffering from malaria become anaemic?

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34. Mention one method of planting crops.

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35. How are the feelers of an insect important in its survival?

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36. What role can a local counsellor play in promoting immunisation against killer diseases among infants in a community?

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37. Which disease is common in rabbits and poultry?

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38. Describe the first Aid that can be administered to a casualty with a fractured arm.

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39. Write SARS in full.

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40. What is a simple machine?

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**Section B**

41 (a) In which two ways is soil considered a resource?

(i) 

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(ii) 

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(b) What effect does running water have on the soil?

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(c) Why isn't it necessary to mulch a sweet potato garden?



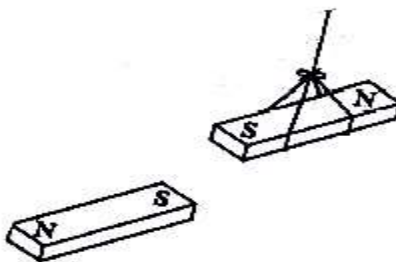
42(a) Complete the table below correctly.

DISEASE	VACCINE
i. Polio	
ii. _____	BGC Vaccine
iii Measles	

(b) Describe the effect of immunisation in ones body.

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43. Study the diagram below carefully and use it to answer the questions that follow.



(a) What will happen when the magnets are brought close together in the given arrangement?

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(b) Which property of magnet is shown by the above diagram?

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(c) Give one method of making a magnet.

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(d) Mention one way an induced magnet can be produced.

44(a) Name any two components of the environment.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) How is the use of petroleum a danger to the environment?

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(c) In which way is the over exploitation of non-renewable resources a danger?

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45(a) Name the three states of matter.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(iii) \_\_\_\_\_

(b) Which metal is a liquid at room temperature?

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



(a) Name the blood vessels shown in the diagram.

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(b) State one importance the blood vessels in the human body.

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(c) Give one structural difference between veins and arteries.

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(d) Which blood cell is affected by sickle cells?

47(a) Bwaise is a slum with ever dirty water flowing in its channels. Mention two diseases people in Bwaise are likely to suffer from if they use or come in contact with that water.

(i) \_\_\_\_\_

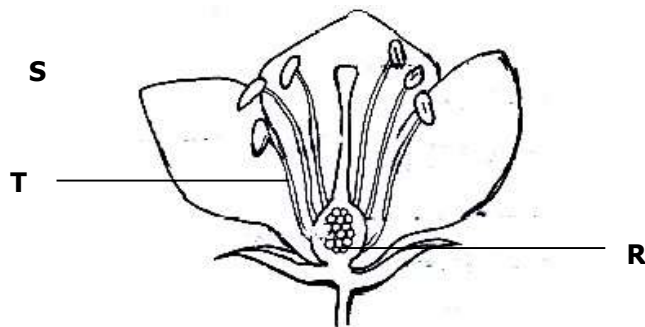
(ii) \_\_\_\_\_

(b). Give two ways the diseases in (a) above can be controlled.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

48. The diagram below shows a female reproductive part of a flower.



(a). Name parts:

(i) R \_\_\_\_

(ii) T \_\_\_\_

(iii) S \_\_\_\_

(b) Which part in animals is similar to S?

\_\_\_\_\_

49(a) Give the two processes involved in alcohol production by distillation.

\_\_\_\_\_

- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_
- (b) Where in the body is alcohol absorbed into the blood stream?

(c) State one danger of alcohol to one's health.

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50 Match members in A with those in B.

**A**

**B**

- (i) Gizzard - Bananas
- (ii) Bees - Grit
- (iii) Pseudostem - Stem cutting
- (iv) Sweetpotatoes - Pollen

- (i). Gizzard \_\_\_\_\_
- (ii) Bees \_\_\_\_\_
- (iii) Pseudo stem \_\_\_\_\_
- (iv) Sweet potatoes \_\_\_\_\_

51 (a) Name any two types of chicken reared in Uganda.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) Which feed is given to the type of chicken named in (a) above?

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

52(a) State one product got from cattle keeping.

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(b) Why are the following practices carried out during the milking process?

(i) washing the udder with warm water?

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(ii) Filtering milk with a strip cup

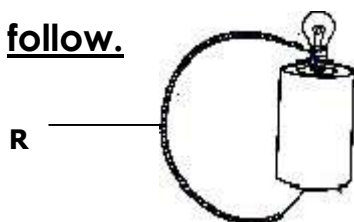
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(iii) Oiling the teats:

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53. **Study the diagram below carefully and answer questions that**

**follow.**



(a) With a help of an arrow, show the direction of current flow.

(b) Name any one material used to make R.

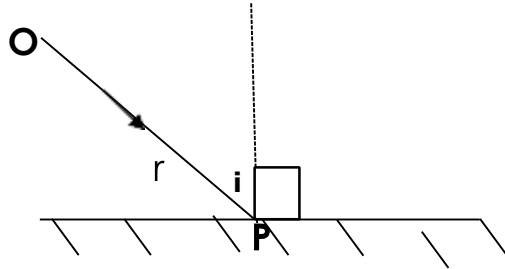
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(c) How many cells are used in the circuit?

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(d) What form of energy is stored in the cell?

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- 54 Use the diagram below to answer the following questions.



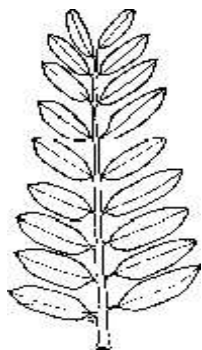
- (a) Name ray OP.

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- (b) Complete the diagram correctly.

- (c) If  $i$  is  $30^\circ$ , give the value of  $r$ .

- (d) Give a reason for your answer in (c) above.
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55. The diagram below is a plant leaf.





(a) What type of leaf is shown?

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(b) Give a reason for your answer in (a).

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(c) What type of leaf is shown above?

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(d) How are leaves important to animals?

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