



HILLSIDE PRIMARY SCHOOL-NAALYA
BASIC SCIENCE AND HEALTH EDUCATION P.
7 MOCK EXAMINATION SET 1 2020

Section A

1. Name one crop which can be grown in an environment with a lot of water.

2. What causes pneumonia in rabbits?

3. How is a frog similar to a fish in terms of reproduction?

4. Mention one disease that attacks the banana plants.

5. State one importance of promoting good sanitation in a community.

6. Why does the Ugandan government emphasize the immunisation of children in the first 5 years of their life?

7. What is the importance of the forked tongue to a snake?

8. What is meant by the term 'peristalsis'?

9. State one human activity that can lead to soil erosion in a school compound.

10. What type of food should a farmer give to table birds?

11. Mention one way air can be dangerous to man.

12. How is the life cycle of cockroach similar to that of a locust?

13. How can the spread of diarrhea be controlled in our homes?

14. State one danger caused by polythene bags to our environment.

15. How is the reproduction in a mushroom different from that of yeast?

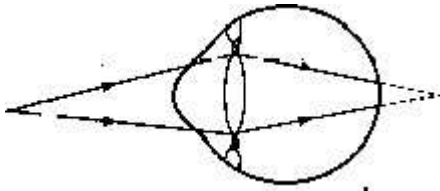
16. Why does a green leaf appear green in white light?

17. How can the spread of swine fever be controlled on a piggery farm?

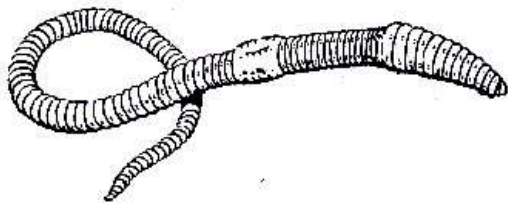
18. How is DPT vaccine administered to infants?

The diagram below shows an eye defect.

19. How can it be corrected?



20. The diagram below shows a living organism. Name the living organism.



21. How is the organism you have named in (20) above important in conserving fertility in the soil?

22. How is an Irish potato propagated?

23. Name the sexually transmitted disease that can affect eyes of newly born child.

24. If a seed undergoes epigeal germination, what type of root system will it develop?

25. Name one way cooked food can be contaminated.

26. Why does a chameleon change its colour according to the environment?

27. Give any one sign of pregnancy in females.

28. What class of food is required for the proper formation of teeth and bones?

29. State any one cause of road accidents.

30. Give one danger caused by factory smoke to the people around industries.

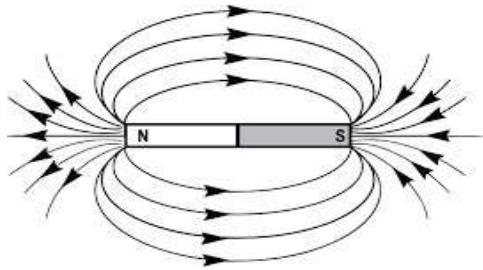
31. Mention the importance of the garden tool shown below.



32. What energy change takes place when a piece of wood burns to ashes?

33. Why do plants growing in semi-desert climate develop needle shaped leaves?

Below is a diagram showing a bar magnet.



34. What do the lines indicate?
35. Name one example of a ruminant mammal.
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36. Why should babies be weaned at the age of 3-4 months?
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37. Why is it important to wash fresh fruits before eating them?
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38. Besides picking oxygen, what else happens to blood in the lungs?
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39. How does the eclipse of the sun occur?
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40. Why is it important to apply sand on a slippery road?
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Section B

41. Some diseases can be treated without the use of drugs.

(a) Give one example of such a disease.

(b) How would you treat the disease you have named in (a) above?

(c) What are essential drugs?

(d) Give one reason why it is not advisable for two patients to share drugs prescribed for one person.

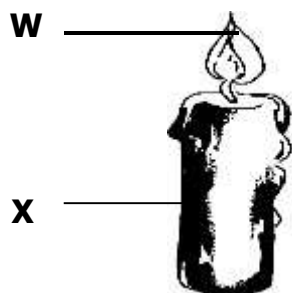
42(a) Why is first aid given to casualty?

(b) Why is it dangerous to make a victim who has swallowed paraffin to vomit?

(c) What first aid would you give to a casualty with broken leg?

(d) How is a sprain different from a strain?

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



(a) Name part **W** of the candle.

(b) Mention any one form of energy given out by a burning candle.

(c) Which form of energy is stored in X?

(d) Name the bee product from which X is made.

44(a) In which part of the plant does photosynthesis mainly take place?

(b) Name two raw materials which enable photosynthesis to take place.

(i) _____

(ii) _____

(c) What form of energy helps photosynthesis to take place?

45a) Identify one example of a leguminous plant.

(b) What gas is used by leguminous plants to make nitrates in the soil?

(c) Give the main food value found in leguminous plants.

(d) Which useful organisms are contained in legume roots?

46(a) How are halteres useful to a flying housefly?

(b) Name one sterile bee found in a beehive.

(c) What is the role of a queen excluder in a modern bee hives?

(d) How does a farmer benefit from bees in a maize crop garden?

47(a) What structure joins a bone to a muscle?

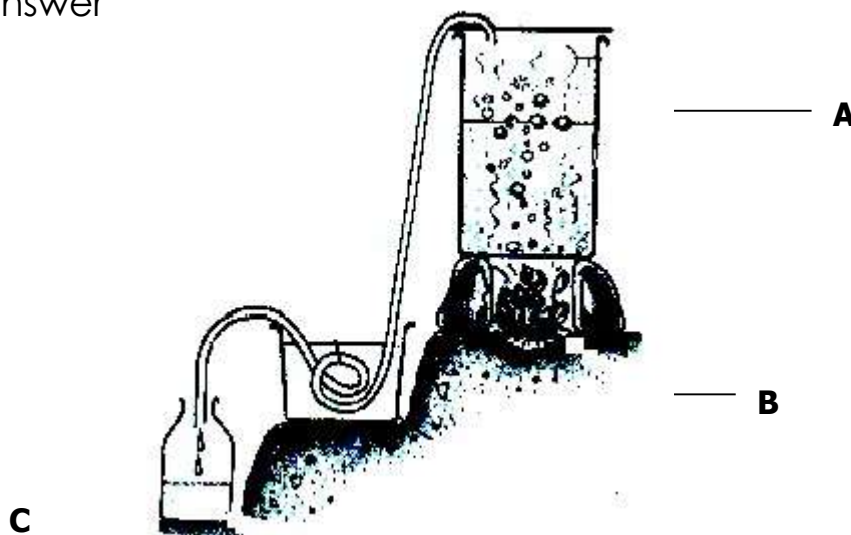
(b) Give one part of a human body with the following types of joints:

(i) Ball and socket joint:

(ii) hinge joint:

(c) Besides calcium, name one other nutrient needed in the proper growth of bones.

48. The diagram below shows the process of making alcohol. Use it to answer



(a) Name the two processes used in the production of alcohol.

(i) A: _____ (ii) B: ____

(b) Name product labelled C.

(c) State one industrial use of product marked C.

49. Use the list below to answer the questions that follow.

(butterfly, snail, tick, cow)

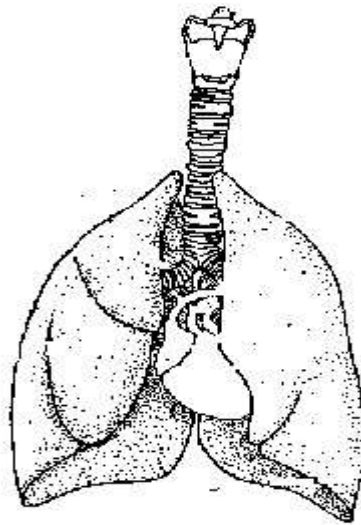
(a) Which animals can be grouped together?

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

(c) How is a cow different from all the other animals?

(d) How is a snail different from the rest of the animals?

50. The diagram below shows parts of the respiratory system. Use it to answer the questions that follow.



_____ **K**

_____ **W**

_____ **P**

(a) Name parts marked with letters W and P.

(i) W: _____

(ii) P: _____

(b) State one way part K is adapted to carrying out its functions.

(c) Name one excretory product removed from the body by the above organ.

_____ 51 (a) Write PIASCY
in full.

(b) State two ways the programme of PIASCY has helped to promote good health standards in your school.

- (i) _____
- (ii) _____
- (c) Give one problem facing the PIASCY programme in your school.

52. In the experiment, equal volumes of sand, clay and loam soil were placed into containers. Equal volumes of water were poured into each of the type of soil as shown in the diagram.

C

After 10 **A** minutes, the volumes of **B** water collected in the bottles appeared as shown.



- (a) Name the type of soil found in funnel A and B.
 - (i) A: _____
 - (ii) B: _____
- (b) Why does bottle C have the least amount of water after the given period?

(c) Give one reason why soil in funnel A is not suitable for crop growing.

53(a) In the space provided below, draw:

- (i) Fibrous root system. (ii) Tap root system.

(b) Give two ways roots are important to a plant.

- (i) _____ (ii) _____

54(a) What is a crop pest?

(b) State two ways pests are a disadvantage to a farmer in a crop garden.

(i) _____

(ii) _____

(c) Give one way farmers can control crop pests without using pesticides.
