

SECTION A

1. Give any one habit that can promote our oral health.

2. Write one word that describes a method of grazing goats using ropes.

3. Which class of levers has the load between the pivot and the effort?

4. Name the property of air that is illustrated by filling air in the balloon.

5. In which way is the breast feeding useful to the mothers?

6. What type of change occurs when dead organic matter rots?

7. **In the space provided, draw an illustration of epigeal germination.**

8. Briefly explain how an anemometer is useful at the weather station.

9. Give the type of electricity produced when steam power is used to turn turbine and generator.

10. How does the function of the renal vein differ from that of the renal artery?

The diagram below of a birds head. Use it to answer questions 11-12.



11. To which group of birds does the bird with a head belong?

12. How does this beak help the bird in terms of feeding?

13. State one way diseases of the circulatory system can be prevented.

14. List one way sound and light as forms of energy are similar.

15. Below are two permanent magnets. What will happen if part A is brought closer to part B?



16. Suggest the use of a Eureka can in the measurement of volume.

17. How does a fuse work as a safety device in an electric circuit?

18. Give any one source of biogas as an energy resource.

19. In which way is a scald different from a burn?

20. Mention any one property of light.

21. Write one reason why heated air rises over cold air.

22. State the major reason why a farmer should mulch a tomato garden using dry plant materials.

23. Apart from eggs and liver, give any other source of food for vitamin E.

24. How would you find the volume of an object given the mass and density?

25. Suggest any one reason why Uganda government gave freely treated mosquito nets to the community.

26. What plant process requires carbon dioxide to take place?

27. Give one way fowl vices are controlled among poultry.

28. Write down any one emotional characteristic that occur in adolescents.

29. In which way does the duty of a drone differ from that of a Queen in a bee-hive?

30. Mention any one effect of HIV/AIDS in the community.

31. Why would a hen's egg fail to hatch after 21 days of incubation by mother hen?

32. Write down any one common device used in measurement of mass.

33. How is synovial fluid important in a movable joint?

34. What is the use of a magnet to a sailor?

35. Why are water logged soils not suitable for crop growing?

36. Which metal can remain a liquid at room temperature?

37. Mention any one property of hard water.

38. Give any one practice carried out by people to control rats in their homes.

39. What term is given to the arrangement of soil layers from bottom to top?

Study the diagram below of a flower and use it to answer question 40.



40. What type of pollination is shown by the arrow taking place in the diagram above?

SECTION B

41(a) Write the meaning of term air.

(b) Give the component of air that helps in the following:

(i) Making of starch.

(ii) Formation of nitrates.

(c) State one danger of wind to the human health.

42(a) Give the importance of the following food values in the human body.

(i) Calcium: _____

(ii) Vitamins: _____

(iii) Carbohydrates: _____

(b) Why do pregnant mothers need more food rich in proteins?

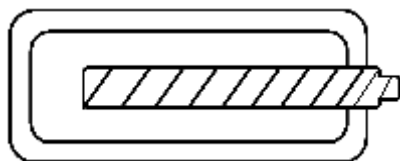
43(a) What scientific name refers to animals that feed on remains of other dead animals?

(b) Write two examples of the above animals in the environment.

(ii) _____

(c) How are the animals named in (b) above useful to the environment?

44. **The diagram below is of a simple dry cell. Use it to answer questions that follow.**



(a) Using an arrow with letter Z show the position of the positive terminal.

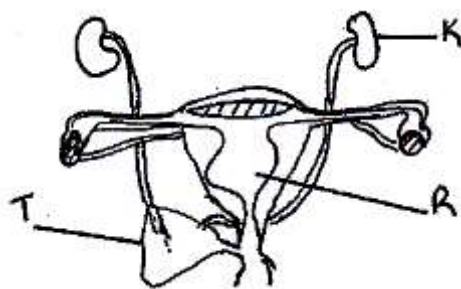
-
- (b) Write down the capacity voltage the dry cell produces when still new.
-
- (c) Give any one device at home that uses the above item.
-
- (d) State the energy change that takes place when the above item is in use.
-

45(a) Write down any three activities in PHC the community can do as a control against malaria.

- (i) _____
- (ii) _____
- (iii) _____

(b) Which element of PHC is useful in the fight against poor feeding in the communities?

46. **The diagram below is of a human body system. Use it to answer the questions that follow.**



- (a) Name the type of body system drawn.
-
- (b) What name is given to the parts marked R and K?
- (i) R _____
- (ii) K _____
- (c) State the function of the part marked T.
-

47. **Match the insect borne diseases below with the vectors that spread them.**

Diseases

Elephantiasis
Shigellosis
River blindness
Scabies

Vectors

black flies
mites
house flies
culex mosquito

- (i) Elephantiasis: _____
- (ii): Shigellosis _____
- (iii) River blindness: _____
- (iv) Scabies: _____

48(a) Give any two examples of crops that can be dispersed by explosive mechanism.

- (i) _____
- (ii) _____

(b) Apart from having hooks and spines, give two other characteristics of seed dispersed by animals.

- (i) _____
- (ii) _____

49(a) List any two ways plants benefit from solar energy.

- (i) _____
- (ii) _____

(b) State the two dangers of solar energy to plants.

- (i) _____
- (ii) _____

50(a) What are two common methods used to prepare alcohol?

- (i) _____
- (ii) _____

(b) Mention any two raw materials needed in the preparation of alcohol.

- (i) _____
- (ii) _____

51. Complete the table on immunization below by filling in the missing word.

| DISEASE | VACCINE | SITE | CAUSE |
|----------------|---------------|------------------|----------|
| a)..... | BCG | Right Upper arm | Bacteria |
| Polio | Polio Vaccine | c)..... | Virus |
| Whooping cough | DPT Vaccine | Left Upper thigh | d)..... |
| Measles | b)..... | Left Upper arm | Virus |

52(a) Apart from diarrhea, write down two components of the 3Ds.

- (i) _____
- (ii) _____

(b) Mention the two major mineral salts which are lost by a person during excessive diarrhea.

(i) _____

(ii) _____

53(a) Mention the system commonly practiced in rearing poultry in rural areas.

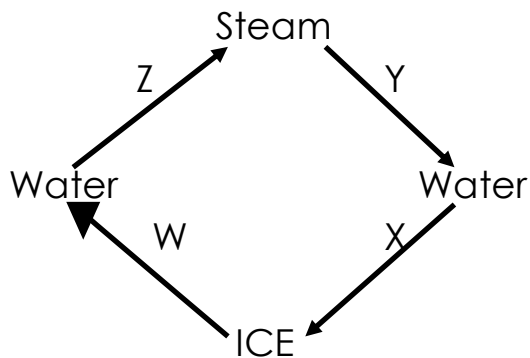
(b) Write down any two common vices in poultry.

(i) _____

(ii) _____

(c) Give any one reason why vaccines and disinfectants are used in poultry keeping.

54. The diagram below is of a water cycle. Use it to answer questions that follow:



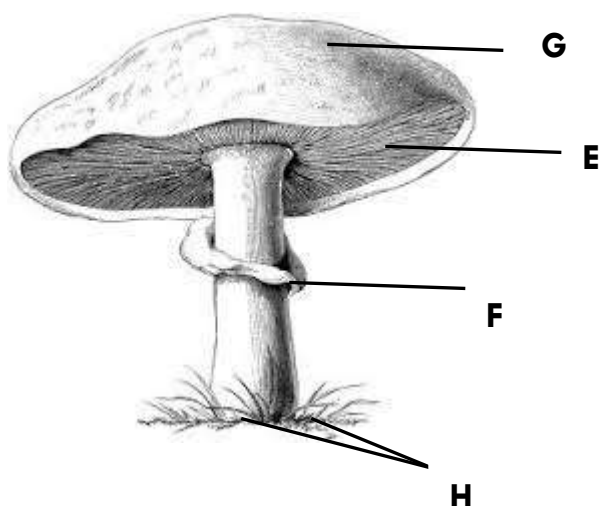
(a) What energy is required to cause process Z to occur?

(b) What process occurs at Y?

(c) What process takes place at W?

(d) What type of change occurs in those processes?

55. Study the mushroom and answer the questions that follow.



a) To which group of living things does it belong?

b) State the function of part **H**.

c) Apart from mushrooms, identify any one other example of such organisms.

(d) Which food value does man get from eating the above organism?

HAPPY HOLIDAYS

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