

SMILE EDUCATION CONSULTACY BUSUNJU
P. 5 End of Term III Examination, 2023.
Integrated Science
Time allowed: 2 hours and 15 minutes

Name: _____

SECTION A: (50 marks)

1. Name one part of a plant used as fuel.

2. Why does a coin sink in water?

3. How does heat travel in a vacuum?

4. Give one danger of mulching a crop garden.

Below is a diagram of a body organ. Use it to answer questions 5 and 6.



5. Name the organ shown in the diagram above.

6. Give one function of the organ shown above in our bodies.

7. What is an apiary?

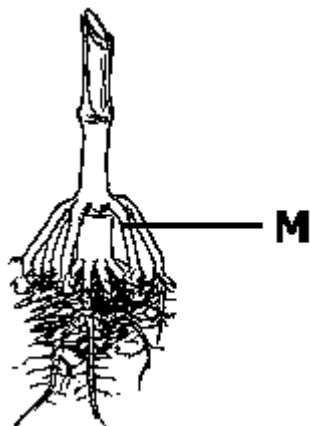
8. How do trees planted around a crop garden help in controlling soil erosion?

9. How is oxygen important in animal bodies?

10. Which mineral salt helps in the formation of red blood cells?

11. Give one sign for tuberculosis infection in man.

Use the diagram below to answer questions 12 and 12.



12. Name the roots marked M.

13. How are the roots important to cereal crops?

14. Give one cause of swarming in bee.

15. Why is a casualty who has drunk poison given milk to drink?

16. State one importance of health parades in schools.

17. Why is cultivation of land done in the wet season?

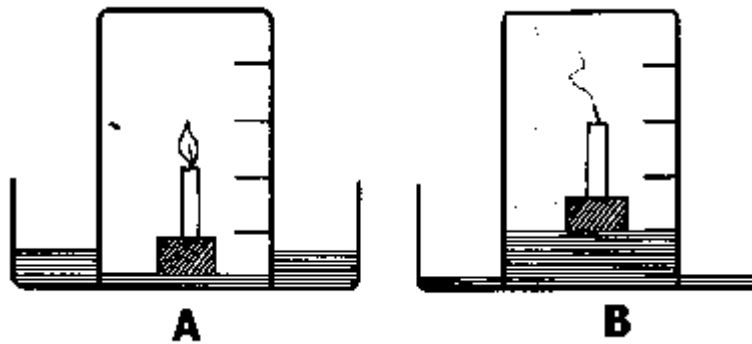
18. Give one way moulds are useful in the treatment of diseases in man.

19. What germ causes AIDS?

20. State one way of protecting teeth from diseases.

21. A block of wood weighing 250g displaced water equal to 50cc. Work out its density.

Use the diagram below to answer the questions that follow.



22. Name one form of energy produced in A during the experiment?

23. Why did the water in B rise when the candle stopped burning?

24. State one use of water in the body.

25. How do plants benefit from respiration in animals?

26. State one way sanitation helps to promote good health in people.

27. Which part of an egg develops into a chick?

28. Name the type of a family where a nephew is a part of the family.

29. Give one physical difference between a cock and a hen.

30. What is a solute?

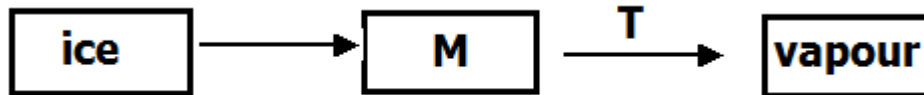
31. State one way of separating components of a mixture.

32. Mention one way dehydration is dangerous to human health.

33. What is the importance of a hutch in rabbit keeping?

34. How does leaching affect the fertility of the soil?

Use the diagram below to answer the questions that follow.



35. In which state of matter is M?

36. What change of state does T represent?

37. Why are people owning buildings advised to place fire extinguishers on their walls?

38. How are herbicides useful to farmers?

39. Why do electric cables sag on hot days?

40. Give one way shadows are useful to people.

Section B: (60 marks)

- 41(a) How are the following crop farming practices useful?
- (i) crop rotation

- (ii) pruning

- (b) How does mulching control soil erosion in a crop garden?

- (c) Which tool is used for turning manure in a compost pit?

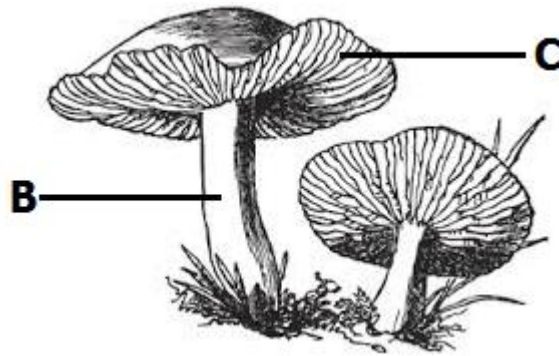
- 42(a) Apart from defense, give one other reason why animals make sound.

- (b) How do the following animals protect themselves from enemies?
- (i) cow

- (ii) snake

- (iii) catapillar

43. **The diagram below is of a fungus. Use it to answer the questions that follow.**



- (a) Name the fungus shown in the diagram above.

- (b) Name part marked B.

- (c) How is part C useful to the fungus?

- (d) Why is the fungus unable to make its food?

- 44(a) State the importance of vaccines in the control of diseases.

- (b) Write down the vaccines for:

- (i) Hepatitis B

- (ii) Tuberculosis

- (c) State one way people get natural immunity.

- 45(a) Why is milk considered to be in the liquid state of matter?

- (b) Give one characteristic of solids.

- (c) Write down one property of matter.

- (d) State any one effect of heat on matter.

46(a) Through what process are the following components of soil formed?

(i) rock particles

(ii) humus

(b) Name one living component of soil.

(c) How are plastic and polythene materials dangerous to the soil?

47 Give one use of the following in keeping personal hygiene:

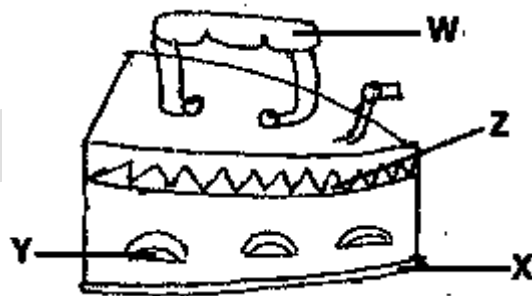
(i) water

(ii) towel

(iii) bath sponge

(iv) tooth brush

48. **The diagram belows a flat iron. Use it to answer the questions that follow.**



(a) How does heat travel through part marked X?

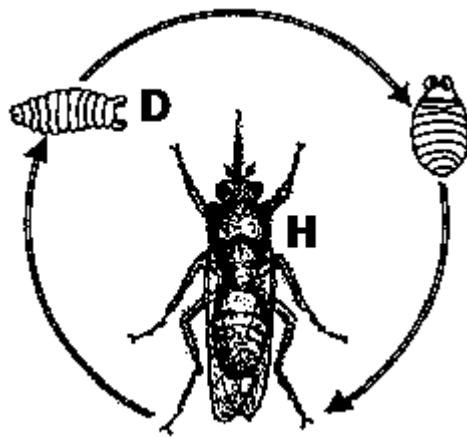
(b) Why should part marked W be made of insulators of heat?

(c) Mention the function of parts marked X and Z?

(i) Y: _____

(ii) Z: _____

49. The diagram below shows the life cycle of a vector. Use it and answer the questions that follow.



- (a) Give the insect that undergoes the life cycle shown in the diagram above.

- (b) Name the stage marked D.

- (c) What disease is spread by stage marked H in man?

- (d) Mention one way of controlling stage H.

- 50(a) Which type of weather encourages animals to drink cold water?

- (b) Apart from nimbus clouds, name one other type of clouds you know.

- (c) State the use of the following at a weather station:

- (i) Stevenson screen

- (ii) Anemometer

- 51(a) In which part of the alimentary canal are proteins first digested?

- (b) Name the juice stored in the gall bladder.

- (c) Mention one disease that affects the digestive system.

(d) Which role is played by the rectum in the alimentary canal?

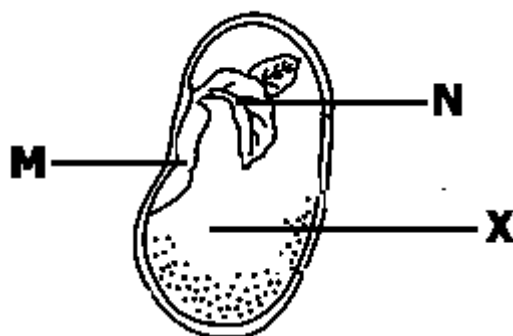
52(a) State one reason why most rural poultry farmers prefer keeping local breeds of chicken.

(b) Mention one cause of vices in poultry.

(c) Why would you consider free-range to be a cheaper system of keeping poultry?

(d) Write down one way of controlling poultry diseases.

53. **Study the diagram of a seed given below and answer the questions that follow.**



(a) What type of germination does the seed in the diagram undergo?

(b) Name the part of the seed marked X.

(c) Into which part of a plant does part marked M develop?

(d) How do farmers make harvested seeds dormant?

54(a) Write PHC in full.

(b) Write down the element of PHC people in a community promote when they carry out the following activities:

(i) brushing teeth every after a meal.

(ii) collecting rubbish from the compound.

(c) Mention one problem people in a community solve through promoting PHC.

55. **Match items in list A to those in list B.**

A

Scurvy

Marasmus

Kwashiorkor

Goitre

B

sea foods and iodized salt

milk and eggs

fresh fruits

rice and cassava

(a) Scurvy_____

(b) Marasmus_____

(c) Kwashiorkor_____

(d) Goitre_____

*****END*****