

SECTION A: 40 MARKS

Questions **1** to **40** carry **one** mark each.

1. Name the component of air that enables a piece of wood to burn.

2. Which characteristic of mammals enables them to feed their young ones on breastmilk?

3. State any **one** way of controlling the spread of diarrhoeal diseases.

The diagram below is of a climbing plant. Study and use it to answer questions **4** and **5**.



4. Name the structure marked with letter **K**.

5. In which way does part marked **K** help the above plant to climb others?

6. Name **one** group of vertebrates with a constant body temperature.

7. Mention any **one** disease that attacks the human eyes.

8. In which state of matter does heat travel by conduction?

9. Name **one** method in which sound can be stored for future use.

10. Apart from a frog, give any **one** other example of amphibian.

11. State any **one** way in which one can care for his/her circulatory system.

12. Identify the element of Primary Health Care (PHC) that helps to control over population.

Use the diagram of the animal below to answer questions **13** and **14**.



13. Identify the group of vertebrates to which the above animal belongs.

14. How does the above animal protect itself?

15. Mention the digestive juice that is produced by the liver.

16. In which **one** way is the reproduction mushrooms similar to that of ferns?

17. Name the group of invertebrates with segmented bodies and jointed legs.

18. State the reason why malaria is considered as a communicable disease.

19. Which mode of reproduction enables bacteria to multiply in number?

20. State any **one** process that leads to formation of soil.

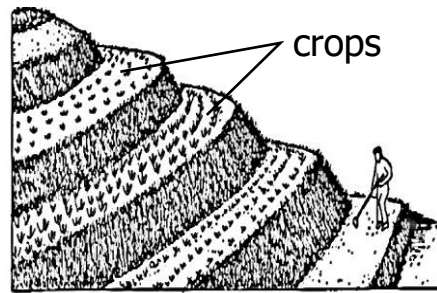
21. Mention the immunisable disease that is spread by a tiger mosquito.

22. Which the part of a fish has the same function as the steering wheel of a car?

23. State any **one** reason that leads to swarming of honey bees.

24. Name the substance in a burning tobacco that leads to addiction.

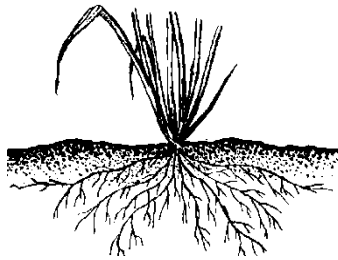
The diagram below shows a method of controlling soil erosion. Study and use it carefully to answer the questions **25** and **26**.



25. Identify the method of controlling soil erosion shown in the above.
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26. How does the above method help to control soil erosion in a hilly area?
-
27. Name the blood vessels that transports blood at high pressure.
-
28. Apart from honey, name any **one** other product people get from honey bees.
-
29. State any **one** characteristic of flowers that are pollinated by insects.
-
30. State the reason why a dog is referred to as a warm-blooded vertebrate.
-
31. Mention any **one** disease that is controlled by drinking boiled water in a home.
-
32. Name the form of energy needed by a torch user during night hours.
-
33. Identify the farming practice in crop growing that retains moisture in the soil.
-
34. Give the meaning of the term pitch as used in sound energy.
-
35. State any **one** way in which a farmer can control egg eating in his/her poultry farm.
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36. What do we call the blood pumping chambers of the heart?

Use the of the root system below to answer questions **37** and **38**.



37. Name the root system drawn above.

38. Give **one** example of a crop that has the above named root system in (**37**) above.

39. Apart from charcoal, mention any **one** other example of wood fuel.

40. Which type of weather favours proper harvesting of beans?

SECTION B: 60 MARKS

Questions **41** to **55** carry four marks each.

41. (a) Mention any **two** examples of spore bearing plants.

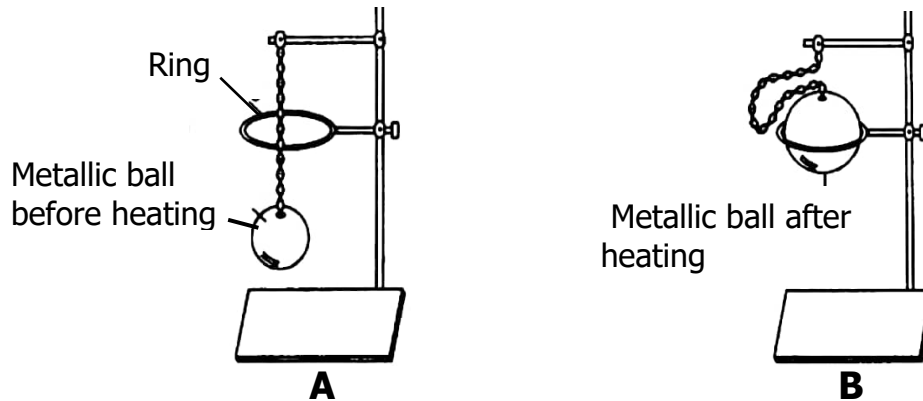
(i) _____

(ii) _____

(b) How do spore bearing plants reproduce?

(c) In which way is the reproduction of spore bearing plants different from that of conifers?

The diagram below shows an experiment about heat on matter. Use it to answer the questions that follow.



42. (a) What does the above experiment prove about heat on matter?

(b) State the reason why the metallic ball fails to pass through the ring in **B**.

(c) State any **two** effect of heat gain on matter.

(i) _____

(ii) _____

43. (a) Name the component of blood that;

(i) Defends the body against diseases

(ii) Transports oxygen in the body

(b) Name any **two** disease that attacks the circulatory system.

(i) _____

(ii) _____

44. (a) Name any **two** dairy breeds of goats kept in Uganda.

(i) _____

(ii) _____

(b) State any **two** reasons why farmers prefer keeping goats.

(i) _____

(ii) _____

The table below shows group of birds. Study and use it to answer the questions that follow.

GROUP: A	GROUP: B	GROUP: C
Falcon Eagle	Ostrich Kiwi	Geese Swan

45. (a) Mention the group of birds that belong to;

(i) Group **A**

(ii) Group **C**

(b) Give any **one** reason why birds in group **B** are unable to fly.

(c) State any **one** adaptation of birds to flight.

46. (a) Give any **two** examples of activities that promote good sanitation in a school.

(i) _____

(ii) _____

(b) State any **two** importance of performing sanitation in school compound.

(i) _____

(ii) _____

47. (a) Give any **one** example of the following;

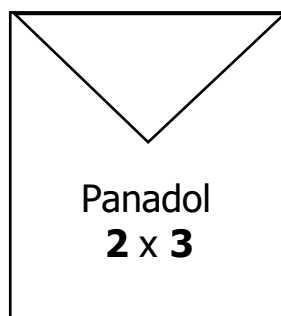
(i) Solute

(ii) Solvent

(b) Which method of separating mixtures requires use of a filter funnel?

(c) Give any **one** way in which the named method in **47 (b)** above is applied in daily life.

Use the information given by a health worker to a patient below to answer the questions that follow.



48. (a) Name the above shown information.

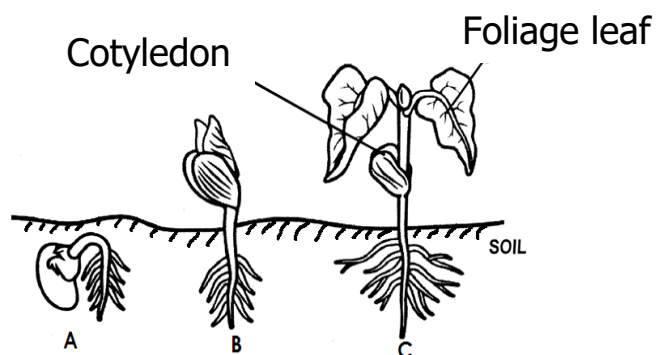
(b) According to the above information, how many doses are supposed to be taken by the patient in a day?

(c) State any **two** reasons why the health workers give the shown information to patients.

(i) _____

(ii) _____

The diagram below shows a type of germination. Study and use them to answer the questions that follow.



49. (a) Identify the type of germination shown in the above diagram.

(b) Name any **two** examples of plants which undergo the shown type of germination.

(i) _____

(ii) _____

(c) Mention any **one** condition necessary for germination.

50. (a) Give any **two** agents of soil erosion in the environment.

(i) _____

(ii) _____

(b) State any **one** way in which soil erosion can be controlled;

(i) In a hilly area

(ii) In a school compound

51. (a) What term refers to the transfer of pollen grains from anther to the stigma of a flower on a plant?

(b) State any **two** characteristics of insect pollinated flowers.

(i) _____

(ii) _____

(c) Mention any **one** insect that pollinates flowers of crops at night.

52. (a) Mention any **two** groups of people whose health can easily be harmed and need special care.

(i) _____

(ii) _____

(b) State any **one** way of caring for the above named groups of people in **52 (a)** above.

- (c) Give any **one** service offered to pregnant women during antenatal care in clinics.

53. Use the table below to fill in the blank spaces provided.

Disease	Vector
_____	Tsetse fly
River blindness	_____
_____	Housefly
Malaria	_____

54. (a) Name any **one** scale used for measuring temperature.

- (b) Which type of thermometer is used for measuring human body temperature?

- (c) Give any **one** example of thermometric liquid.

- (d) State **one** advantages of using mercury in a thermometer.

55. (a) What is meant by drugs of dependency?

- (b) Give any **two** examples of drugs of dependency.

(i) _____

(ii) _____

- (c) State any **one** way in which one can safeguard him/herself from drug abuse.
