

PRIMARY SEVEN JOINT MOCK EXAMINATIONS

SCIENCE 2024.

TIME ALLOWED: 2 ½ HRS.

Name:.....index.....

SECTION A

1. Name one non-flowering plant that reproduces by means of spores.

.....

2. State any one way heat moves through matter.

.....

3. Which body organ is greatly damaged by over consumption of alcohol?

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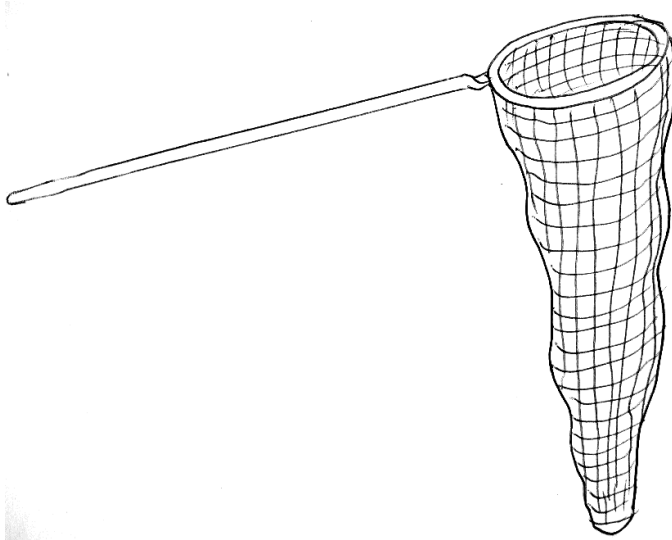
4. Give any one advantage of seed dispersal in the environment.

.....

5. Why are telephone and electric wires loosely fixed on poles?

.....

6. The diagram below shows an equipment used on a bee farm. Study and use it to answer question 6.



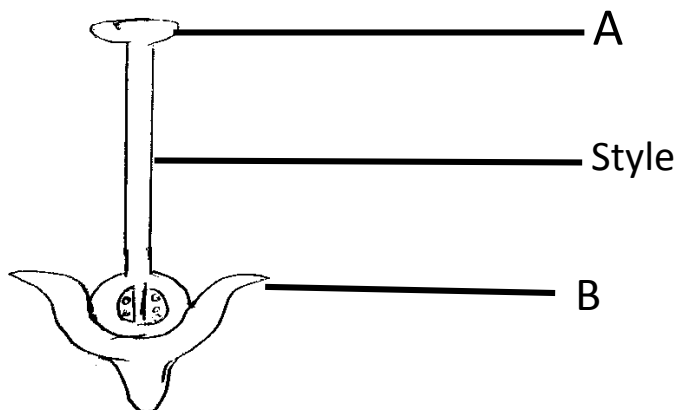
How is the equipment drawn above useful to an apiarist?

.....

7. Mention any one method used by the government to gather information during health surveys.

.....

8. Give one difference between wind pollinated flowers and insect pollinated flowers.
.....
9. Name one inorganic component of soil.
.....
10. Why are ventilators put above doors and windows on a living house?
.....
11. How are arteries able to prevent the back flow of blood yet they have no valves?
.....
12. Which property of air is demonstrated by children flying kites?
.....
13. Give any one reason why a spider is called an arthropod.
.....
14. Why does a pen fail to write on the paper where oil has been poured?
.....
15. **Study the diagram below and use it to answer questions 15 and 16.**



16. What general name is given to the above part of a flower?
.....
17. State the importance of part marked B to a young flower.
.....
18. Give any one advantage of using an electric fuse in a circuit.
.....
19. Where in the body are white blood cells manufactured?
.....
20. What is the importance of suckers to a tape worm?
.....

21. How is malaria spread?

.....

22. Mention one characteristic that is common in all mammals.

.....

23. Why are faeces not regarded as excretory products

.....

24. Give anyone use of wedges in our daily life.

.....

25. What type of cattle are mainly kept to provide labour on a farm?

.....

26. Mention anyone lifestyle of avoiding alcohol.

.....

27. How is unwanted reflection of light prevented in a lens camera?

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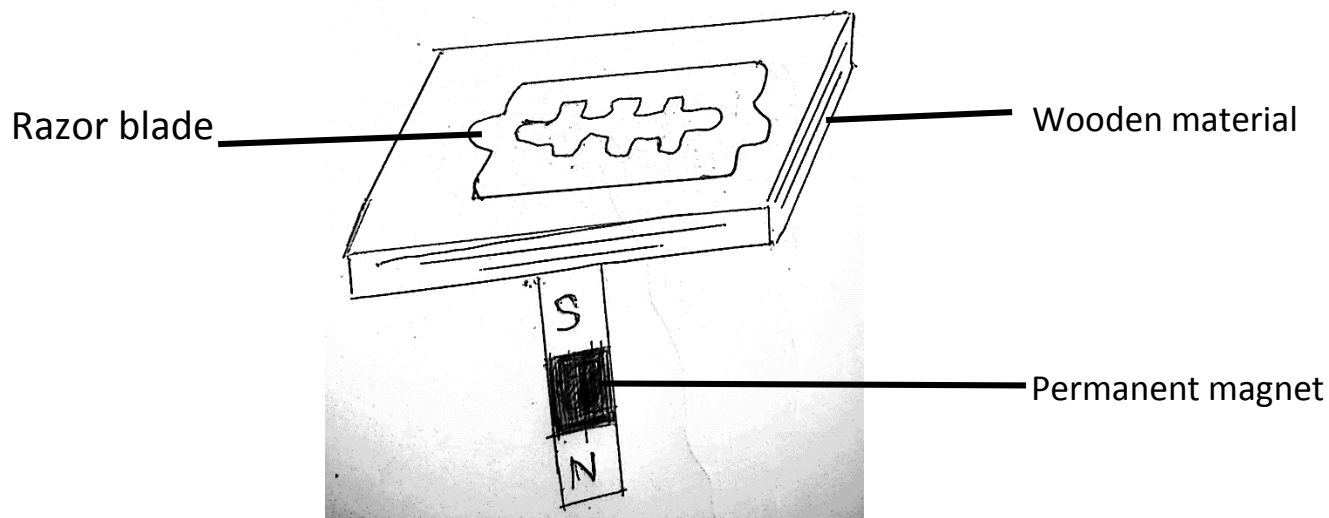
28. Give any one way of reusing wastes in the environment.

.....

29. Which immunisable disease is spread through having unprotected sex with an infected person?

.....

The diagram below shows a property of magnets. Study and use it to answer question 30 and 31.



30. What property of magnets is illustrated in the diagram above?
.....
31. How is the above property useful to people at home?
.....
32. Give any one role played by school children in promoting PIASCY messages.
.....
33. State any one difference in structure between a concave lens and convex lens.
.....
34. Apart from killing germs in food, give any one other function of hydrochloric acid during digestion.
.....
35. Give any one condition that can lead to bottle feeding.
.....
36. Which system of humans is responsible for transporting materials in the body?
.....
37. State any one way of promoting physical exercises among chickens kept indoor.
.....
38. Give any one way of exposing seedlings in a nursery bed to garden conditions.
.....
39. In which way does the production of biogas help to promote sanitation in an area?
.....
40. Give anyone sign or symptom of poor feeding in adults.
.....

SECTION B

41. a) Identify the fungus that reproduces by cell budding.
.....
- b) Give any one importance of fungi to human health.
.....
- c) Name one example of a harmful fungus.
.....
- d) Give any one way of preventing fungal infections.
.....

42. a) Write down two energy resources which are living things.

.....
.....

b) Give any two ways of conserving living energy resources.

.....
.....

43. a) How is a sprain different from a strain?

.....

b) State one way in which a first aider can force water out of the lungs of a near drowned person.

.....

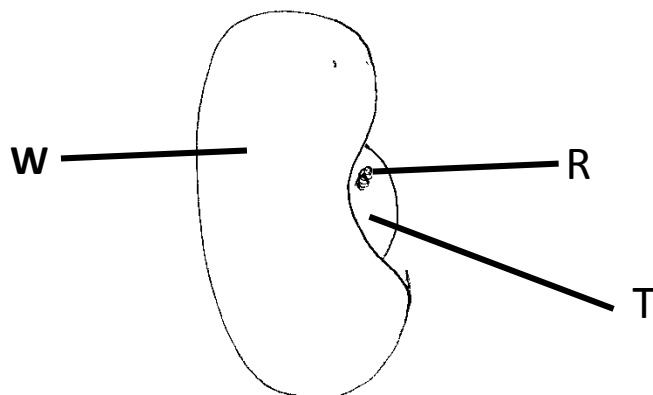
c) Why is it not advisable to break or burst blisters?

.....

d) Apart from sprains, strains and burns, name one other common accident that happens at school.

.....

44. **The diagram below is of a bean seed. Study and use it to answer questions that follow.**



a) Name the part marked W and T

i) W..... ii) T

b) Give the function of part labelled R to a bean seed during germination

.....

c) What type of germination does a bean seed undergo?

.....

45. a) Define the term : electricity

.....

b) Give one advantage of using electricity in the environment.

.....

c) State any one danger of using electricity at school.

.....

d) Give any one way of conserving electricity at home

.....

46. a) State any two ways of controlling the spread of STIs among married couples.

.....

.....

b) Why should married couples go together for treatment against STIs?

.....

c) Mention one example of a fungal STI.

.....

47. What is the importance of carrying out the practices below on an animal farm?

a) Docking

.....

b) Hoof trimming.

.....

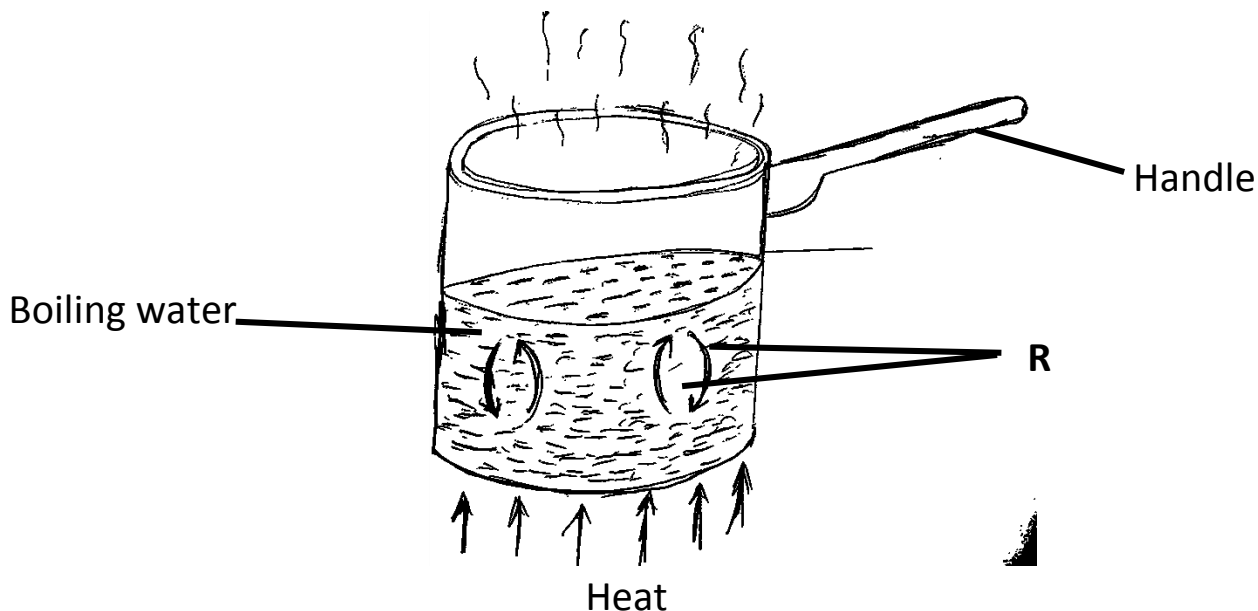
c) Culling

.....

d) Artificial insemination.

.....

48. **The diagram below shows a method of heat transfer. Study and use it to answer questions that follow.**



a) What does the above experiment show?

.....

b) What do the arrows marked R represent?

.....

c) How does heat travel through the sauce pan to reach water?

.....

d) Why do heated molecules of water move upwards?

.....

49. **The list below shows organisms in the environment. Study and use it to answer the questions that follow.**

Caterpillar, maize plant, fungi hen, sun.

a) Construct a food chain using the list of organisms above.

.....

b) What is the role of fungi in the list above?

.....

c) Identify the secondary consumer from the list above.

.....

d) State what would happen to the hens if all the maize plants dry up.

.....

50. **In the table below, part A shows terms commonly used in measurements and part B shows their meanings.**

A	B
Weight	Amount of space occupied by an object.
Volume	Mass per unit volume of an object.
Mass	Amount of matter an object has.
Density	Force of gravity acting on an object on earth

Match correctly the terms with their meanings.

i) Weight

ii) Volume.

iii) Mass

iv) Density.

51. a) How does leaching lead to soil exhaustion?

.....

b) Apart from leaching, name one other cause of soil exhaustion.

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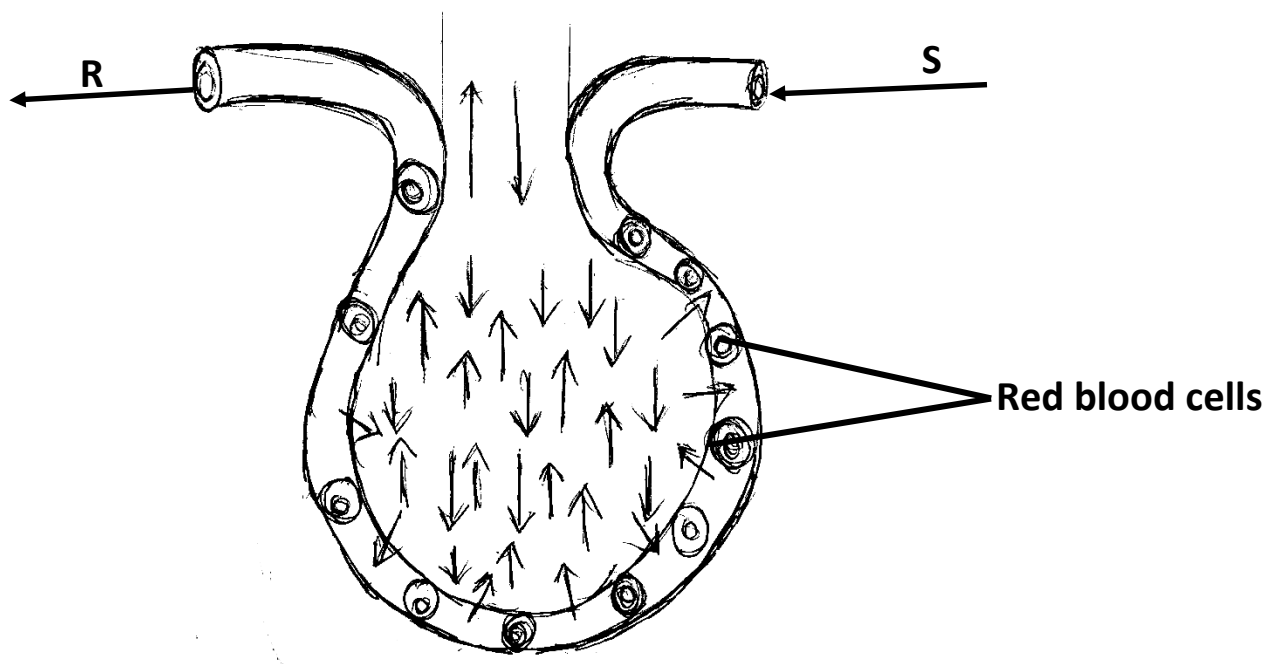
c) Give any one way of improving soil fertility.

.....

d) Name one harmful material to soil?

.....

52. **The diagram below shows a structure found in the lung. Study and use it to answer questions that follow.**



a) Name the structure shown above

.....

b) How is the above structure adapted to carrying out its function?

.....

c) Name the type of blood that passes through blood vessel R

.....

d) Which important process takes place in the above organ?

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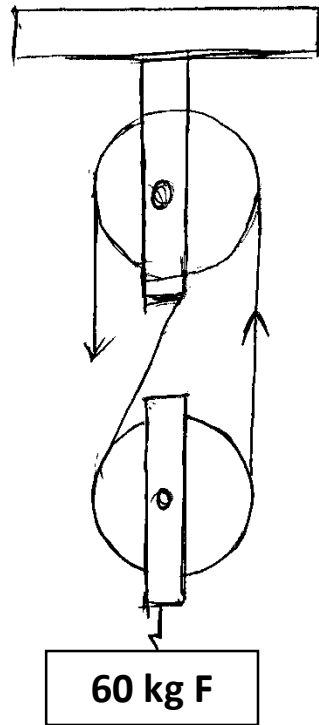
53. Use the list of animals below to answer the questions that follow.

A	B	C	D
Slug	Tick	Bedbug	Mouse

- a) Which animals can be grouped together?
.....
- b) Give a reason to support your answer in (a) above.
.....
- c) How is a mouse different from the rest of the animals?
.....
- d) Name the breathing organs for animal B.
.....

54. a) Give the meaning of the term:
Mulching.
.....
- b) Name one material crop farmers use to mulch a garden.
.....
- c) How do mulches control weeds in the tomato garden?
.....
- d) Apart from mulching give one other method that controls weeds in a banana garden.
.....

55. The diagram below is of a pulley system. Use it to answer questions that follow.



a) Name the type of pulley system shown above.

.....

b) If the mechanical advantage of the machine above is 2, find the effort needed to raise that load. (2 marks)

c) Give any one application of pulleys in our daily life.

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GOOD LUCK