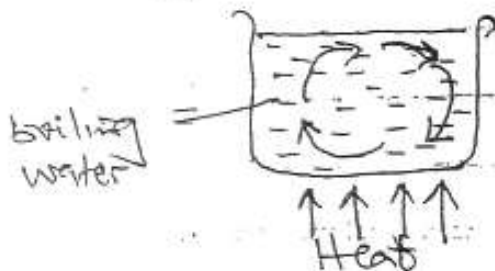
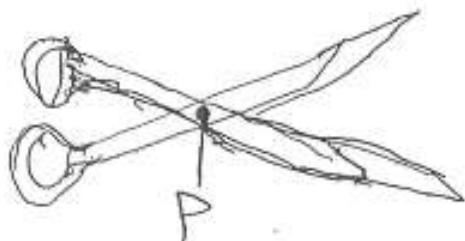


SEC. A

1. Name one disease that can spread through sharing a comb with an infected person.
ringworm
2. Give one example of breed of layers
- brownegger Sussex Leghorn Rhode Island red
3. Give one seed which is a source of proteins to human bodies
soya beans cowpeas groundnuts
4. Why are objects that are thrown up fall down?
due gravity
5. How can plants benefit from the existence of cattle in the same locality
plant get Carbon dioxide / manure
6. Why are people encouraged to wash their hands with soap after touching any surface or object?
avoid / remove germs prevent COVID-19
7. Give a reason why water is called a universal solvent?
dissolves almost all solutes
8. How do latrines help in the control of diseases in an area?
- promote proper disposal of human wastes
9. Use the diagram below to answer question 10.

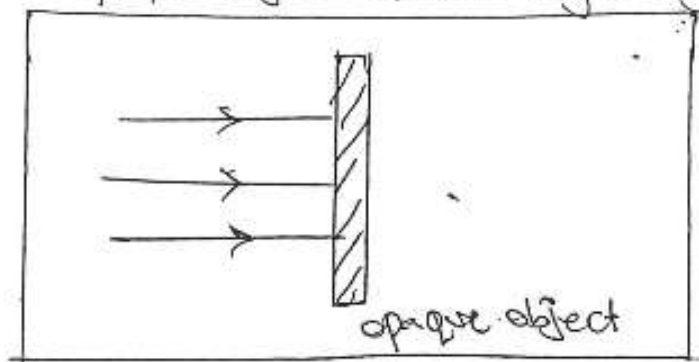


9. What do the arrows in the diagram represent
→ Convectional current
10. Which state of matter does the water turn into when it boils? - gas
11. How are halteres important to an insect?
balance the insect during flight
12. Write one way people can avoid snake bites in their homes: - slashing grass/bush.
13. Name the larva stage of a bee?
- grub
14. State one way of managing rubbish at school or home:
- Having dust bins or rubbish pits
- burning some rubbish
15. Give one way you can prevent food contamination.
- Covering food - handling food with clean hands
16. Why is a moon regarded as a non luminous object?
moon doesn't produce its own light.
17. Use an arrow type with letter P to show the turning point of the lever shown below.



18. If your friend accidentally pours hot milk on his or her hand. What first aid would you give him or her?

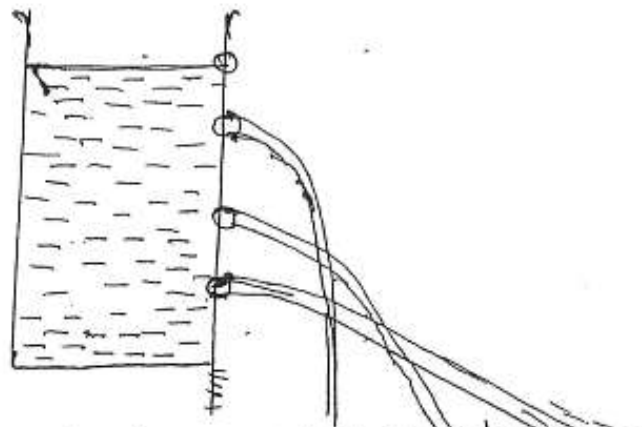
- dipping injured hand in clean cold water.
19. Give one example of a gliding joint.
- Wrist - ankle
20. Draw a diagram in the space below to show how an opaque object affects light rays



21. How can pineapples be propagated apart from using suckers
- using crown, slip
23. Briefly describe heat energy. - Is a form of energy that increases temperature
24. Which component of blood carries oxygen?
- red blood cells
25. Why is the burning of charcoal to ashes called a chemical change - irreversible
- new substance is formed
26. How can echoes be controlled in cinema halls?
- putting soft boards, curtains etc
27. Apart from Fahrenheit, name the other scale used for recording temperature
- Centigrade scale

28. How does the wearing of face masks help in the control of the spread of COVID 19?
prevents one from breathing in air contaminated with corona virus
29. Give one role of animals to people as energy resources.
- food, ploughing, transport
- their wastes can be used to make biogas
30. How does the ^{paw paw} plant encourage cross pollination?
- Having stamen and pistil on different plants
31. What is the natural habitat for the tadpole?
- water
32. In which way is the beak of the sunbird adapted to its function.
- long, thin and slightly curved beak
33. Why is breast milk regarded as the best food for the babies?
- easily digestible - within body temperature
34. Identify one activity done to promote personal hygiene.
- bathing - grooming nails, - brushing
- shaving
35. How does crop rotation control pests and diseases in the garden?
- by breaking life cycle of pests.
36. Mention one disease in cattle that is not caused by germs.
- bloat

37. What does the experiment below prove about liquids



Pressure in liquids increases with depth.

38. Mention any one natural resource found underground that is used as fuel.

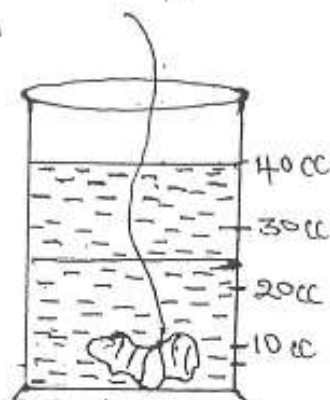
fossil fuel (petroleum, coal)

39. Whenever James opens or closes his door, the hinges make a lot of noise. What can he do to stop the noise? when he is - oil / grease the hinges

40. Give the role of the epiglottis in the respiratory system
prevents food particles from entering the trachea
S.E.C. B

- 41 a) Which part of a leaf performs the following function?
- i) attaching the leaf to a branch or stem: - leaf stalk
 - ii) distributing water and starch - veins / midrib
- b) To which system of a flowering plant does a leaf belong?
- Shoot System
- c) Apart from transpiration and breathing, name any other process that takes place in a leaf: - photosynthesis

42. A stone of mass was dipped in water as shown in the diagram below.



- Name the method used to find the volume of the object
displacement method
- Why is the stone able to reach the bottom of the container when it was dipped in the water?
Stone is denser than water
- What is the volume of the stone

$$V = \text{Level 2} - \text{Level 1} \quad V = 15 \text{ cc}$$

$$= 40 \text{ cc} - 25 \text{ cc}$$

- ~~How much water was in the container before the stone was~~
- How much water is ⁱⁿ the container?
- 25 cc

- 43 a) Which type of change is moulting? - biological change
- ~~enabled insects to grow~~
- How is moulting important to insects?
- enabled insects to grow
 - Why is rusting regarded as a chemical change?
- Irreversible - new substance is formed
 - Give one man made change ~~in~~ in the environment
- afforestation - deforestation - buildings - roads - mining

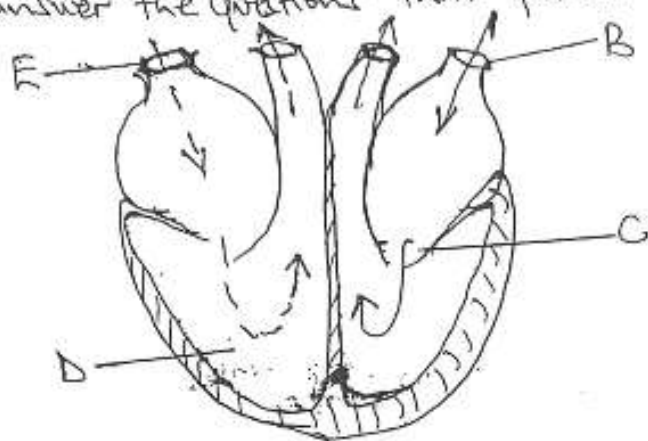
You may delay, but time will not.

44. a) Name the form of energy that enables us to see
- Light
- b) State one property of ~~air~~ the above form of energy.
Light travels in a straight line, reflected, refracted
- c) Why does a pinhole camera form an inverted image?
Light travels in a straight line
- d) Which part of the human eye has a similar role as the aperture in the lens camera?
- Pupil

45. a) Where in the alimentary does digestion end?
Ileum
- b) Why are vitamins and mineral salts not digested?
- they are soluble
- c) How is the chewing of food before swallowing important?
breaks food into small particles for ~~easy~~ swallowing
- d) Give one role of food in the body.
- energy - growth - keeps body healthy

46. a) What do you understand by the term poultry?
- domestic birds
- b) Give one example of type of poultry kept in Uganda.
- chicken ducks - turkey pigeons ---
- c) Mention one product got from poultry.
- meat eggs -
- d) Name one viral disease that affects poultry.
- new castle, - gumboro - avian influenza

- 47 The diagram below is a structure of a mammalian heart. Use it to answer the questions that follow.



- Name the part marked C
 - What type of blood is carried by blood vessel B and E
 - B oxygenated blood
 - E deoxygenated blood
 - Give the function of part D
pump blood to the lungs
- 48 a) What is PHC in full
b) K Primary Health Care
- Which element of PHC is promoted through the following was
 - Eating a balanced diet Food and nutrition
 - Helping ~~casualties~~ casualties accidents and first aid
 - State one principle of PHC
Health services must be affordable accessible
- 49 a) Give one example of animal freedom
Good feeding, treatment when sick, proper transport/slaughter
- Outline any one way people have abused animal freedom
beating, poor care/feeding, overworking, poor transportation
 - Mention two ways people can care for animals
 - providing enough food and clean water
 - treating when sick, provision of shelter, proper transportation

50 a) What are vulnerable groups of people

Are groups of people who need special care in terms of diet:

b) Give two examples of vulnerable groups of people

i) - pregnant mothers - breast feeding mothers / babies

ii) - sick elderly

c) Mention one important service required by vulnerable people. - treatment - feeding (food) - education - counselling

51 a) How are the following crops propagated?

i) Carrots - seeds

b) ii) Irish potatoes - stem tubers

b) Why are farmers advised to plant their crops early?
control pests & diseases - for crops receive enough rain

c) Which crop practice helps to keep moisture in the soil? - mulching

52 a) Soil is formed through decomposition and weathering.
Name the component of soil formed through;

i) weathering of rocks - rock particles

ii) decomposition of organic matter - humus

b) How are earth worms important to the soil?
- aerate the soil - die and form humus

c) Why is too much application of artificial fertilizers harmful to the soil?

- excess chemical in fertilizers kill living organisms in the soil - can affect soil structure

53a) Give a reason why a bag is regarded as matter?

- A bag occupies space and has weight

b) ~~Which~~ Which state of matter are the molecules closely packed? - Solids

c) Name the force that keeps molecules in the above state of matter compact. - Cohesion

d) State the difference between mass and weight.

- Mass is quantity of matter in an object while weight is amount of gravitational force acting on an object.

- Mass is measured in ^{Newton} kg or grams while weight is measured in Newton.

54. Match the vectors in J with the diseases they spread in K.

List J

1. Beetle fly

2. House fly

3. Anopheles mosquito

4. Culex mosquito

List K

Malaria

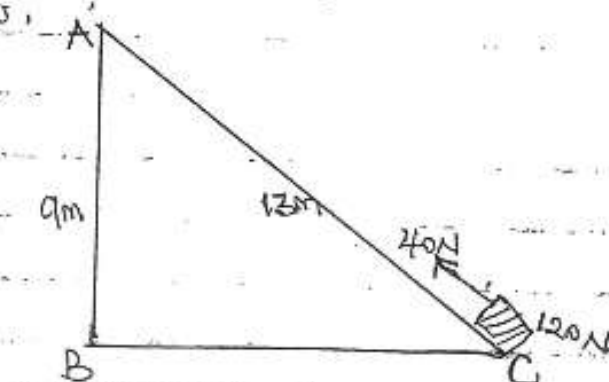
Filaria

Sleeping sickness

Trachoma

- | | | |
|-------------------------|---|---------------------|
| i) Beetle fly | - | - Sleeping sickness |
| ii) House fly | - | - Trachoma |
| iii) Anopheles mosquito | - | - Malaria |
| iv) Culex mosquito | - | - Filaria |

55. Below is a machine used for lifting objects. Use it to answer questions that follow.



You may delay, but time will not.

- a) Name the machine shown in the diagram above
is the - Inclined plane/slope
- b) What distance moved by the load?
- 9m
- c) Calculate the Mechanical advantage of the above machine.

$$M.A = \frac{W}{E}$$

$$= \frac{3}{120}$$

$$= \frac{1}{40}$$

$$= 3$$
- d) How can the above machine be improved in order to use less effort?
- by increasing the length of the slope.