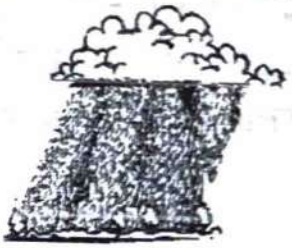
SCIENCE MODERATED ITEMS 2023
ITEM 2/15
MAKING GUIDE 2/15
SECTION A (40 marks)

TR Bwire Samuel 0708438054

1. Identify the group of vertebrate that feeds its young one on milk from mammary gland.
   Mammals.
2. What is capacity?
   Is the amount of liquid contained in the a beaker.
3. Give one difference between plants and animals though they are all living things. Plants make their own food while animals cannot make their own food
4. Write the component of soil that is formed from plant and animal remains.
   Humus.

The diagram below shows a type of weather in our environment. Use it to ansv **6.**



5. Which condition of weather is shown in above diagram?
   Rainy
6. How can you protect yourself from the danger of the above type of weather?
   Using an umbrella || Wearing rain coats.
7. State the functional difference between arteries and veins.
   Arteries carry oxygenated blood ~~acce~~ except pulmonary artery while veins carry deoxygenated blood except pulmonary vein.
8. Under what condition would you advise a poultry farmer to carry out culling?
   In case of a viral disease outbreak.
9. Give one way through which pineapples are propagated.
   By planting suckers, slips, crown.

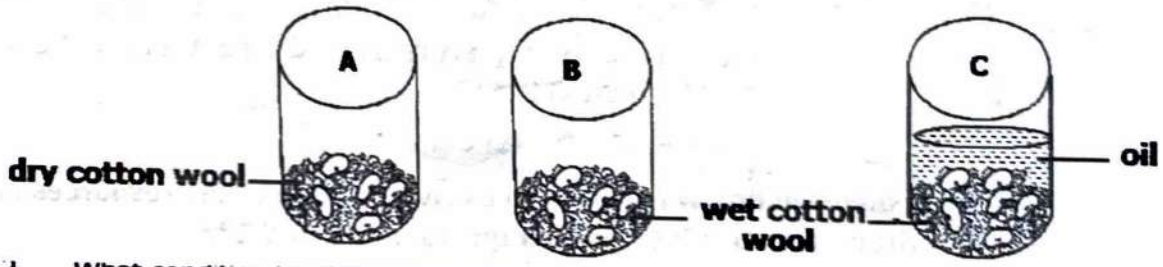
10. Mention the property of air that helps a P.6 pupil drink soda from a bottle using a straw.

Air exerts pressure.

11. Apart from filtration, name one other method that is used to obtain clear water for washing.

Decantation.

In the diagram below, normal bean seeds were planted and the conditions shown in the experiment. Study the diagram and use it answer questions 12 and 13.



12. What condition is missing in container A?

Moisture

13. State the role played by cooking oil in container C.

Cooking oil prevents oxygen from reaching the seeds.

14. Define the term "addiction" as used in drugs use.

Addiction is when a person depends on a drug for normal functioning of the body.

15. Name one vaccine that is administered orally.

Oral Polio Vaccine (OPV)

16. Why is it important to carry out mulching in crop growing?

Mulching improves soil fertility.

17. How is the soap useful when bathing?

Soap removes dirt from the body // Soap kills germs on the body.

18. Apart from rain and lakes, state any one natural source of water.

Rain

19. Give one plant that can be grouped together with Mosses.

Ferns / ~~Moss~~ Liverworts / Horsetails

20. What is soil conservation?

Soil conservation is the way of maintaining soil fertility.

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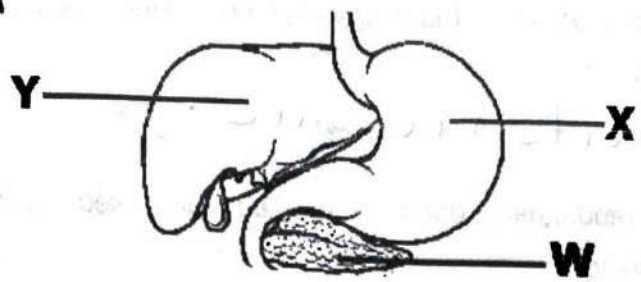
The diagram below shows part of the digestive system. Use it to answ



21. N

22. Where is the digestive juice produced at part marked Y stored?
In the gall bladder.

23. Which sense help you to identify the colour of a cloth?
Seeing

24. Give one advantage of using paddock grazing in livestock management.
Paddock grazing controls ecto parasites in cattle

25. How often should one brush teeth?
Every after a meal.

The diagram below is of a device driven by one of the resources in our environment. Use it to answer questions 26 and 27.

26. Name the above device. — Windmill.

27. State the resource that enables the above device to work.
Wind.

28 How is heat different from temperature? — Heat is the form of energy that increases the temperature of an object while temperature is the degree of hotness or coldness of a place or an object

29. Write down one activity of PHC that helps to promote community hygiene.
Burning rubbish // Opening trenches.

30. Give one malnutritional disease known to you.
Kwashiorkor // Marasmus // Scurvy.

31. What type of change occurs when water changes to ice?
Physical change (Condensation (NOT FREEZING))

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Note:- Freezing is a physical change in state of matter.

32. Identify the product mainly got from Saanen goat.
Milk.

33. Give one example of a person with special needs.
Lame person / Blind person.

34. How is the reproduction of yeast different from that of other fungi?
Yeast reproduce by budding unlike other fungi.

35. In which body part does respiration take place?
Lungs

36. What is pitch as used in the study of sound?
Pitch is the highness or lowness of sound.

37. Why do we need latrines at school?
Latrines help in proper disposal of human wastes

38. Write 3D's in full.
Diarrhoea Dehydration Death.

40. State one characteristic of arachnids.
41. Arachnids have four pairs of jointed legs.
Arachnids have two main body divisions.

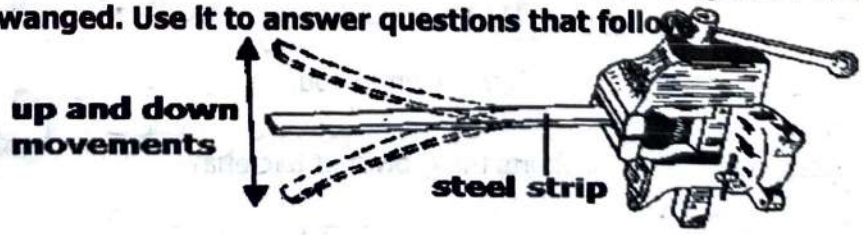
40. Mention the intestinal worm that is prevented through eating fully cooked beef or pork.
Tapeworms.

Section B

41(a) What are essential drugs? These are drugs that are used to treat and cure common diseases.

(b) Give one example of essential drugs.
Panadol, Ampicillin, Chloroquin, Pain killers.

(c) Mention any one quality of an essential drug.
A good essential drug should be accessible, affordable, effective

(d) How can essential drugs be a disadvantage to us?
- Essential drugs encourage self medication.
- Some have side effects on a human body.

42. **The diagram shows the movements of a steel strip after being twanged. Use it to answer questions that follow**