



WEST NILE PRIMARY SCHOOLS'

HEADTEACHER'S ASSOCIATION (WENIPSHA)

P.7 REGIONAL P.L.E MOCK 2024

INTEGRATED SCIENCE

TIME ALLOWED: 2 HOURS 15 MINUTES

Theme: "Assessment for confidence building in West Nile P.L.E candidates"

EMIS NUMBER					PERSONAL NO.			
CANDIDATE'S NAME								
SCHOOL								
DISTRICT								
SIGNATURE								

Read the following instructions carefully

1. This paper has **two** Sections: **A** and **B**.
2. Answer **all** questions. All answers to both sections **A** and **B** must be written in the spaces provided
3. **All** answers must be done using a blue or black-ball-point pen or fountain pen.
4. Unnecessary changes of work may lead to loss of marks.
5. Any handwriting that cannot be easily read may lead to loss of marks.
6. Do not fill anything in the boxes shown "**For Examiners' Use Only**" and those inside the question paper

FOR EXAMINER'S USE ONLY		
Qn. No	Marks	EXRS' NO.
1-10		
11-20		
21-30		
31-40		
41-43		
44-46		
47-49		
50-52		
53-55		
TOTAL		

Turn Over

SECTION A (40 marks)

1. Name any one body organ that is protected by the skull.

2. Which digestive disorder is prevented by proper chewing of food?

3. How is the practice of boiling water important to health?

4. Give any one way in which friction is a nuisance force.

5. Which part of a flowering plant helps in reproduction?

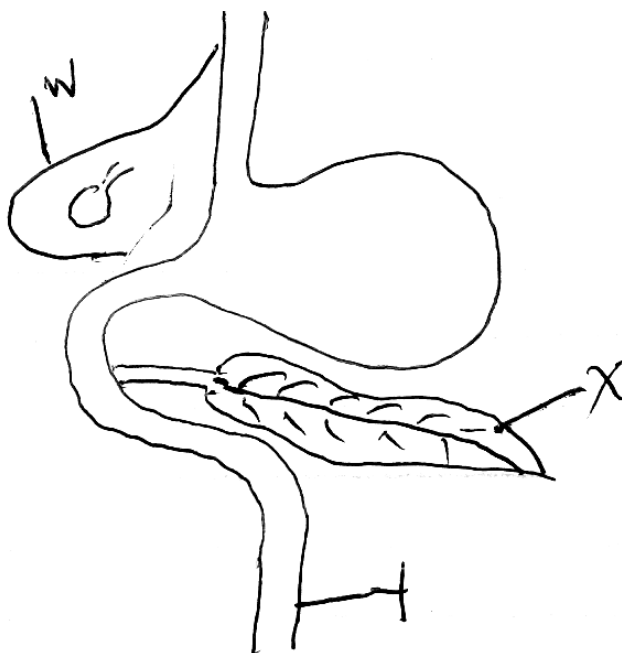
6. What is primary Health Care?

7. Mention any one respiratory disease worsened by smoking.

8. In which way do mulches help in soil formation?

9. Name any one component of sweat.

The diagram below shows part of alimentary canal of man.



10. Identify the part labelled X.

11. How is nimbus cloud formed from water vapour?

12. Name the component of soil that supports photosynthesis.

13. Give any one adaptation of seeds dispersed by the animals.

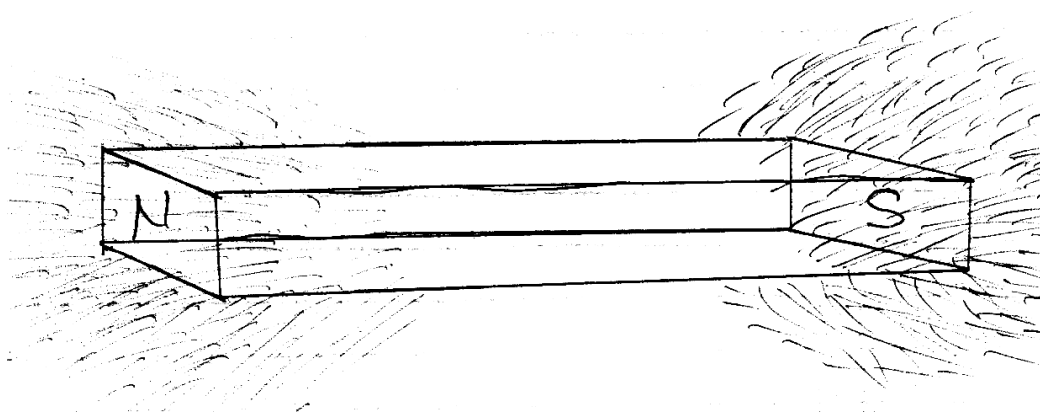
14. To which class of lever does a wheelbarrow belong?

15. What advice can you give to a mother whose child is suffering from Marasmus?

16. How is mass different from weight in relation to the unit?

17. Name the part of the female reproductive organ in which Ovulation takes place.

The diagram below shows the property of bar magnet. Use it to answer question 18.



18. Which property of the magnet is drawn above?

19. Which farm activity makes mating easy in sheep?

20. Which form of energy travels in waves?

21. Which deficiency disease is prevented by a P.4 child sitting in the sun during morning hours?

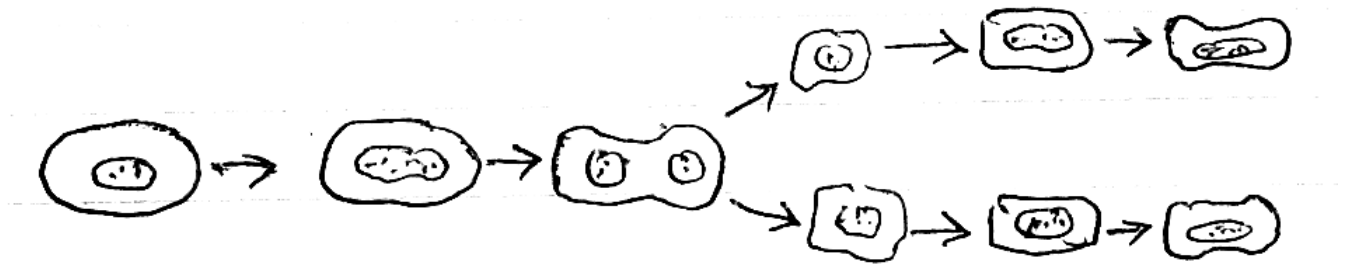
22. How does tetanus germs enter the human body?

23. Give one way through which the volume of blood is increased in our bodies.

24. Why is a coiled filament of a bulb made up of tungsten?

25. Name the type of weather used in winnowing crops?

Use the diagram below of the mode of reproduction in a living organism.



26. Identify the mode of reproduction in the living organism above.

27. Give the way in which animals can be replaced in the environment?

28. How is the use of a dynamo similar to a generator?

29. Name the best mohair producing breed of goats in Uganda.

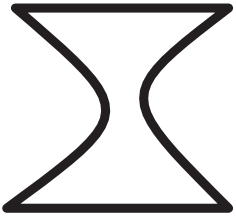
30. How does silting affect the life of aquatic animals?

31. Why is a person suffering from diarrhea given the treatment of dehydration?

32. What is the importance of teeth in digestion?

33. What is drug abuse?

34. How does the lens shown below affect light rays?



35. Why would the animals in the paddock system not easily attacked by East Coast Fever?

36. What type of change occurs to an egg which has been left in boiling water for more than 10 minutes?

37. How does a vent pipe help to reduce smell in a VIP latrine?

38. Name one intestinal worm that feeds on blood.

39. How are bones useful to the circulatory system?

40. Give one type of teeth that has cusps and ridges.

SECTION B (60 MARKS)

41.(a) State any one example of a material used to make compost manure.

(b) Give two advantages of natural fertilizers over artificial fertilizers.

(i) _____

(ii) _____

(c) How are polythene bags dangerous in the soil?

42.(a) Give any one way of storing sound.

(b) Name any one device used for storing sound.

(c) State any two ways in which sound energy can be reproduced?

(i) _____

(ii) _____

43.(a) What is a first aid box?

(b) Identify any one component of the first aid box.

(c) Give any one quality of a good first aider.

(d) State any one reason why first aid is given to the injured people.

44.(a) Which domestic animal is kept in the hutch?

(b) Write any two qualities of a good hutch.

(i) _____

(ii) _____

(c) Name any one exotic breed of the above animal.

45. The table below shows groups of simple machines. Use the table to answer questions that follow.

Group Q	Group R	Group S
Ramp	Panga	See saw
Ladder	Hoe	Canoe on water
Stair case	Razor blade	Fishing rod
Plank	Axe	A pair of scissor

(a) Identify the simple machine groups in;

(i) R _____

(ii) S _____

(b) Write the importance of Ramp in the group Q to the people.

(c) Why is the surface of Ramp made rough?

46.(a) What features are used to classify animals into vertebrates and invertebrates?

(i) _____

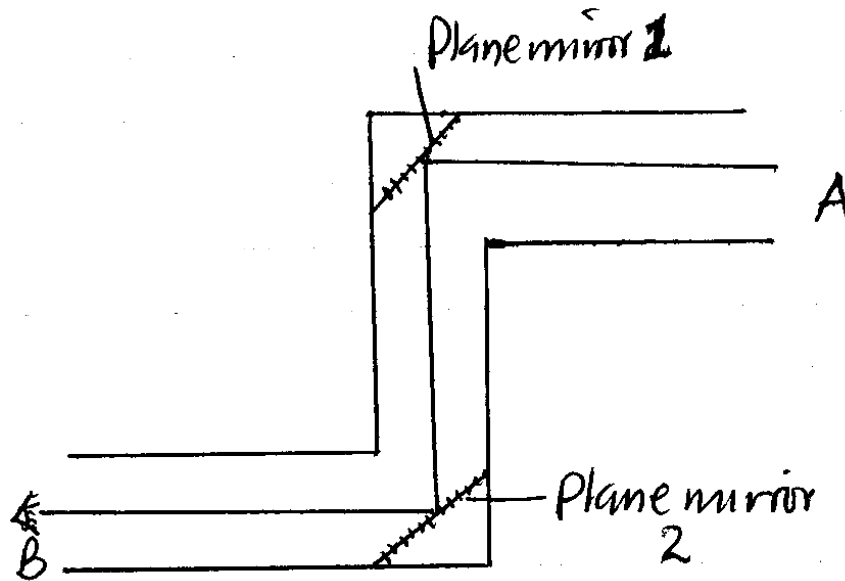
(ii) _____

(b) To which class of invertebrates do the following animals belong;

(i) insects?

(ii) snails?

47. The diagram below shows an optical instrument. Use it to answer questions that follow.



(a) What name is given to the above instrument?

(b) How is the observer at point **B** able to see the object at point **A**?

(c) Give the principle under which the above instrument works.

(d) With the help of an arrow, indicate the movement of light through the instrument.

48. John is a poultry farmer in Arua City. He keeps both layers and broilers on his farm.

(a) Identify any two bad acts that his birds will develop on his farm.

(i) _____

(ii) _____

(b) How useful is the hanging of green vegetables in his poultry house?

(c) Name the best method of preventing the above bad practices on his farm?

49.(a) Give any one way through which the government has tried to reduce infant mortality rate?

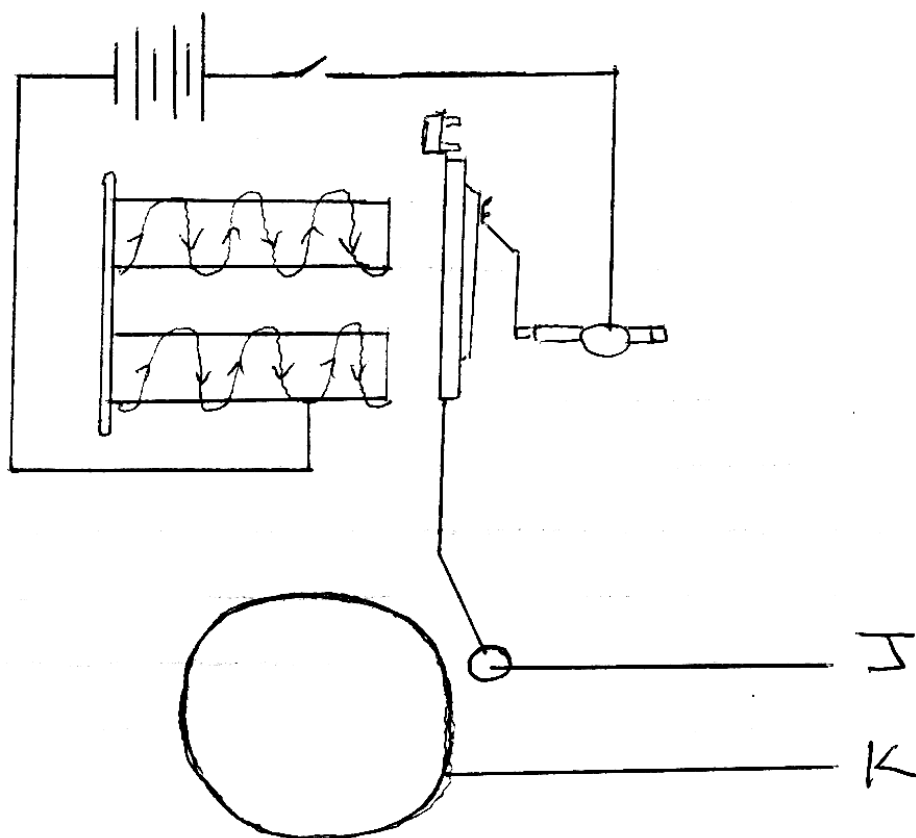
(b) Mention any one examples of natural family planning methods.

(c) State any two permanent methods of family planning.

(i) _____

(ii) _____

50. The diagram below shows a simple electric device. Use it to answer the questions that follow.



(a) Which electric device is drawn above?

(b) Name the parts marked

(i) **J** _____ (ii) **K** _____

(c) What happens to part **K** when the switch is complete?

51. (a) Name the method of serving a cow on heat with collected sperm.

(b) Write any two “signs of heat” on a cow.

(i) _____ (ii) _____

(c) Which cattle disease is controlled through the above method?

52. In an experiment, a P.7 girl had bar magnet and a piece of metal.

She wanted to know whether magnets rest N-S directions.

(a) Identify any one material that the girl forgot in the experiment.

(b) How can the bar magnet help the girl in the experiment?

(c) Describe the steps that will enable the girl to discover whether the piece of metal she had is a magnet or not. (2marks)

53. (a) Write the 3Ds in full.

(b) Give any one cause of dehydration in babies.

(c) Apart from sunken eyes, identify any one other sign of dehydration.

(d) Which material in the ORS replaces the energy lost in dehydrated patient?

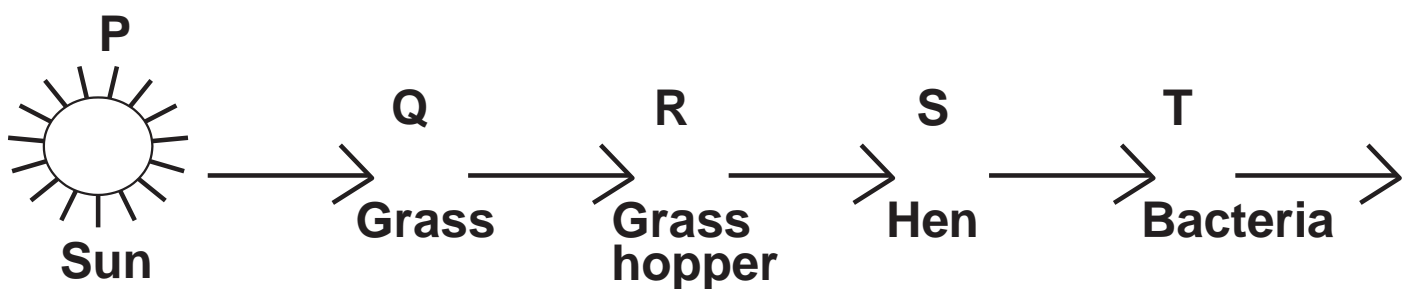
54.(a) What are root tubers?

(b) Give two examples of root tubers.

(i) _____ (ii) _____

(c) State any one way of controlling squirrels in a cassava garden.

55. The diagram below shows the energy flow among living organisms. Use it to answer the questions that follow.



(a) What name is given to the above diagram?

(b) What do the following organisms represent in the above diagram?

(i) Q _____

(ii) R _____

(c) Give the role of bacteria at E in the above diagram.

END

WEST NILE (WENIPSHA) MOCK SCIENCE 2024

1. the brain/the ears/the eyes/the tongue
2. Indigestion
3. To kill germs/to prevent diseases.
4. Causes disturbance /unwanted /unnecessary heat/ wear and tear of surfaces.
5. Flower
6. Essential Health Care where individual family and community work together to solve their own health problems.
7. Tuberculosis /Asthma/Bronchitis
8. Mulches decompose to form soil.
9. Excess water/excess salt/urea/lactic acid (reject water, salt)
10. Pancreas (consider the correct spelling) without letter "e" at the end.
11. . By condensation
12. Water/carbon dioxide (air)/ mineral salts
- 13/. Fleshy and juicy/ produce sweet smells/Have hooks / Have bright colors when ripped
14. Second class lever
15. Giving food rich in carbohydrates to the child
16. Mass in kilograms while weight is in newtons
17. Ovary
18. Magnets are strongest at the end poles.
19. Docking
20. Sound energy
21. Ricket
22. Through cuts and wounds by sharp object;/ Through wounds
23. Blood transfusion /Eating food rich in iron/Eating dark leafy vegetables/Drinking enough fluids
24. Because tungsten has high melting point.
25. Windy weather
26. Binary fission/ cell division (reject fusion)
27. Through reproduction
28. Both produce electricity/Both change mechanical energy into electrical energy/electricity /Both use magnets
29. Angora goats
30. It destroys their habitats /Leads to loss of habitats/ Loss of biodiversity/Destroys fish eggs
31. Replaces the fluids lost/Energy lost
32. Helps in mechanical digestion/Breaks down food into smaller particles
33. Use of drugs in a way that it becomes harmful to the body/illegal harmful way of using drugs.
34. It scatters /spreads away rays of light passing through it.
35. Their movement is restricted
36. Chemical change
37. It lets out bad smell
38. Hook worm/Roundworm /Askaris/Threadworm /Pin worms
39. Production of blood cells
40. Molars/Premolars

SECTION B

- 41.(a) Left over food/ Banana peelings/ dry grass / maize stalks/ leaves / rice husks
- (b) Natural fertilizers are cheaper than artificial fertilizers/ Natural fertilizers do not pollute the soil while artificial pollute the soil/Natural fertilizers don't need much skills compared to artificial fertilizers
- (c) Prevent water and air from entering the soil /pollution/ affects soil texture/affect aeration
- 42.(a) By recording/writing
- (b) Memory cards/video compact discs/computer hard disks/projectors/audio tapes/compact discs/flash drive/mobile phone/magnetic tapes/cassette tapes/IPad/computer diskettes
- (c) By playing recorded sound in record players/playing using cassette players/playing using CD players/playing using DVD players / playing using mp three players/ playing in flash disks using computers/playing sound in

memory cards using mobile phones.

- 43.a) A container for keeping first aid kits
- (b)Razorblade /pair of scissors/gauze/iodine/ panadol/ plasters
- (c) should be quick/kind / knowledgeable/have common sense/sympathetic/observant
- (d) To reduce pain/to save life /to prevent further injury/to stop bleeding if any/to promote quick recovery
- 44.(a) Rabbit
- (b) Well ventilated/strong enough/raised up above the ground/dry inside/damp free/leak proof
- (c) Chinchilla/ California white rabbit/Angora rabbit/Ear lopess(reject carlifonia only)
- 45.(a) (i)Wedges
- (ii)Levers
- (b) Easy climbing/reducing the steepness/easy of wheel chairs.
- (c) To increase friction//prevent sliding/ falling back
- 46.(a) (i) Back bones
- (ii) skeleton
- (b) (i) Arthropods
- (ii) Molluscs
- 47.(a) Periscope
- (b) Through reflection of light
- (c) Principle of reflection
- (d) Arrow moves from A to B on the ray of light inside the periscope
- 48.(a)Egg eating/cannibalism/ feather pecking/ towpecking
- (b) Bird do exercise/ prevent boredom/ prevent vices in poultry/debeaking
- 49.(a) By immunization/vaccination/by healthy education/ by family planning
- (b) Prolonged breast feeding/abstinence/use of safe period/withdrawal/coitus interruptus
- (c) Vasectomy/ tubaligation
- 50.(a) Electric bell
- (b)(i) J-hammer
- K-Gong
- (ii) It vibrates
- It provides sound
- 51.(a) Artificial insemination
- (b) Discharge of mucus/ swollen vulva/ restlessness, mounting others/
- (c) Brucellosis/rinder pest/ foot and mouth diseases
- 52.(a) string/ thread
- (b) To test whether the metal is a magnet or non magnetic material
- (i)Tying the string on the piece of metal(1/2 mark)
- hanging / suspending the magnet freely in air (1/2 mark)
- if the piece of metal rests pointing N-S, then it is a magnet (1/2 mark)
- if the piece of metal rests pointing in another direction, then it is not a magnet (1/2marks)
53. (a) Diarrhea/ dehydration death. (consider the Ds in full orderly)
- (b) Severe diarrhea/ excessive vomiting
- (c) Dry lips/ sunken / fontanelle/ little or no urine
- (d) Sugar
54. (a) Root tubers are swollen under roots which stores food.
- (b) Cassava/ sweet potatoes/ turnips/ carrots/ radishes/ parsnips/ sweedishes/ beetroot
- (c) By trapping/ by use of dogs/ by chasing them
55. (a) Food chain
- (b) (i) Producer
- (ii) R-primary consumer (reject consumer alone)
- helps in decomposition/ act as decomposers.
- END