

Science

Topical Questions

Primary Three

Name:

School:

Year:

LITERACY I TOPICAL QUESTIONS FOR P.3 TERM I.

Theme: Our environment in our sub-county

Sub theme: soil

1. What is soil?

2. Write down any three components of soil.

(i) _____

(ii) _____

(iii) _____

3. What type of soil is good for making glasses?

4. Why is loam soil good for farming?

5. Draw an experiment to show that soil contains air.

6. Mention any two living organisms that live in the soil.

(i) _____

(ii) _____

7. Name the component of soil formed after decomposition of organic matter.

8. What is soil texture?

9. Identify one use of soil to plants.

10. Write down two ways of keeping the soil fertile.

(i) _____

(ii) _____

11. What is soil profile?

12. Study the diagram below and answer questions that follow.

a) Name the layer of the soil marked A and D.

A _____ D _____

b) Which layer of the soil supports plant growth?

13. What is soil formation?

14. Name any two processes by which soil is formed.

15. Identify the type of soil with the smallest soil particles.

Study the diagrams below and answer questions that follow.

16. Identify the soil type marked C and A.

C _____ A _____

17. Why does soil marked B allow water to pass through it easily?

18. How are earthworms helpful in the soil?

19. Define the term weathering.

20. Give two agents of weathering.

(i) _____

(ii) _____

Theme: OUR ENVIRONMENT IN OUR SUB-COUNTY

Sub theme: Air, water and sun

1. _____ is a mixture of gases. (Hair, Air)

2. Underline the odd man out.

Oxygen, Carbondioxide, Argon, Nitrogen

3. Study the diagram below and answer questions that follow.

Identify the property of air shown above.

4. Name the component of air shown above.

5. What name is given to Air in motion?

6. Give two uses of oxygen gas to man.

7. Name the gas used to preserve soft drinks like soda.

8. Give two examples of rare gases.

9. Underline the forms of energy got from the sun.

Sound energy, light energy, chemical energy and Heat energy.

10. Why is a moon not regarded as a natural source of light?

Study the diagram below and answer the questions that follow.

11. Name the parts of the shadow marked;

P _____

Q _____

12. How are shadows formed?

13. How are shadows useful to man?

(i) _____

(ii) _____

14. Mention any two artificial sources of light.

(i) _____ (ii) _____

15. What happens when an opaque object stands on the way of light?

16. What do we call water in solid state?

17. How are Nimbus clouds useful to man?

18. Identify one way of contaminating water sources.

19. State one difference between condensation and evaporation.

20. Write P.H.C in full.

21. Mention any two elements of P.H.C

22. Sanitation is the general _____ of the place we live or stay.

23. Draw and name any two items used in promoting sanitation.

24. How is a vector different from a germ?

25. State any three qualities of a clean home.

(i) _____

(ii) _____

(iii) _____

Theme: OUR ENVIRONMENT IN OUR SUB-COUNTY

Sub theme: Weather

1. _____ is the condition of the atmosphere of a place at a given time.

(wether, weather, weathering)

2. Write down any one type of weather.

3. In the space below, draw and name two items used during rainy weather.

4. What is temperature?

5. Why is a Stevenson's screen painted white?

6. What weather instrument is used to measure air pressure?

Study the diagram below and answer the questions that follow.

7. Name the above instrument.

8. State the use of the above instrument to health worker.

9. How is the sun useful to man?

10. Mention any one activity done by farmers during the dry season.

11. _____ is a season when an area receives a lot of rainfall. (**Wet season, Wet season**)

12. What is the main natural source of water in the environment? (**Rain, Rainfall, Raining**)

-
13. Name any two liquids used in thermometers.
- (i) _____ (ii) _____
14. Define the term season.
-
15. What weather instrument is used to measure the amount of rainfall received in an area?
-
16. How is an umbrella useful to man?
-
17. Name the vitamin obtained from the sun.
-
18. Farmers prepare their gardens during the _____. (Drier season, Dry season)
19. Name any two instruments kept in a Stevenson's screen.
- (i) _____ (ii) _____
20. Identify one clothing pupils wear on their bodies during cold weather.
-
21. Apart from a clinical thermometer, name any other type of thermometer you know.
-
22. What is the normal body temperature of a person in celcius scale?

THEME: LIVING COMPONENTS / LIVING THINGS

SUB THEME: Animal (Domestic Animals)

1. Define the term environment.
- _____
2. Name the two components of the environment.
- _____

3. What are living things?

4. Mention any two examples of living things.
i) _____
ii) _____
5. State the two types of animals we have.
i) _____ (ii) _____
6. Define:-
i) Domestic animals

ii) Wild animals

7. Give any four examples of:-
a) Wild animals
i) _____ (ii) _____
iii) _____ (iv) _____
b) Domestic animals
i) _____ (ii) _____
iii) _____ (iv) _____
8. How are domestic animals useful to people? Give four reasons.
i) _____
ii) _____
iii) _____
iv) _____
9. Mention any four animals kept for transport at home.
i) _____ (ii) _____
iii) _____ (iv) _____

10. Complete the table below.

Animal	Young one	Product
.....	kid
sheep	wool
.....	calf
.....	piglet	pork
rabbit	fur

11. State any three ways of caring for domestic animals at home.

- i) _____
ii) _____
iii) _____

12. Which animal is used for protection at home?

13. State any two animals that provide us with milk.

- i) _____ (ii) _____

14. Complete the table below correctly.

Animal	Home	Male	female
Cow	Bull
Rabbit
Dog
Pig

15. Give any four examples of wild animals.

- i) _____ (ii) _____
iii) _____ (iv) _____

16. Outline the three uses of wild animals.

- i) _____
ii) _____
iii) _____

17. How are wild animals dangerous to people?

18. Define a habitat.

19. State the two types of habitat.

- i) _____
ii) _____

20. Mention any four animal habitats you know.

- i) _____ (ii) _____
iii) _____ (iv) _____

21. Which name is given to animals that live in water.

22. Name any three animals that live in water.

- i) _____ (ii) _____
 iii) _____ (iv) _____
23. How does a fish breathe?

24. What name is given to a young fish?

25. What is a swamp?

26. Another name for swamp is _____
27. Define a pond.

28. Mention any three examples of animals that live in ponds.
 i) _____ (ii) _____
 iii) _____
29. Mention any two places where we find the aquarium.
 i) _____ (ii) _____
30. Identify any two animals that don't have legs.
 i) _____ (ii) _____
31. State any two animals that lay eggs.
 i) _____
 ii) _____

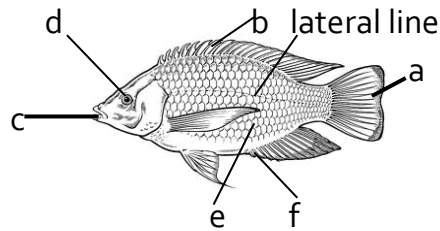
32. Complete the table below.

ANIMAL	MOVEMENT
snake	
	walking
	wriggling
bees	
frogs	

33. How does a fish reproduce?

34. State the use of gills on a fish.

35. Use the diagram of a fish below and answer the questions that follow.



- a) Name the parts marked
- a) _____ c) _____
- b) _____ d) _____
- b) How is part marked **d** useful to the above animal?
- _____
- c) Where does the above animal live?
- _____
36. Outline any three types of fish in Uganda.
- i) _____ (ii) _____
- iii) _____
37. Give the uses of fish to man.
- _____
- _____
- _____
41. Outline any three ways of preserving food.
- i) _____ (ii) _____
- iii) _____
42. Why do people preserve fish?
- i) _____
- ii) _____
- iii) _____
43. Mention any two food crops that can be preserved by drying in sunshine.
- i) _____
- ii) _____
44. State any two traditional methods of preserving food.
- i) _____
- ii) _____
45. State the use of the following parts on a fish.
- a) fins
- _____
- b) lateral line

c) eye

d) nostril

38. Give any two methods of preserving fish.

i) _____

(ii) _____

39. Suggest any two ways of catching fish in Uganda.

i) _____

(ii) _____

40. What is food preservation?

LITERACY I TOPICAL QUESTIONS FOR P.3 TERM 11

THEME: BIRDS AND INSECTS

1. Give any two types of birds you know.

i) _____

ii) _____

2. Define:-

a) Wild birds

b) Domestic birds

3. List any two examples of

a) Wild animals

(i) _____

(ii) _____

b) Domestic birds

(i) _____

(ii) _____

4. Mention any three ways birds are useful to man.

i) _____

ii) _____

iii) _____

5. State any two characteristics of birds.

i) _____

ii) _____

6. Outline any three examples of swimming birds.

(i) _____

(ii) _____

(iii) _____

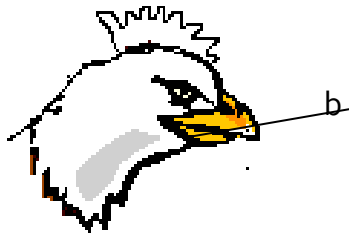
7. Give any three ways in which feathers are useful to birds.

(i) _____

(ii) _____

(iii) _____

8. Use the diagram below to answer the questions that follow.



a) Name the part marked a

b) Give any one bird with such a mouth.

a

c) Outline the function of part marked "b"

9. Match the following correctly.

rabbit

calf

chicken

duckling

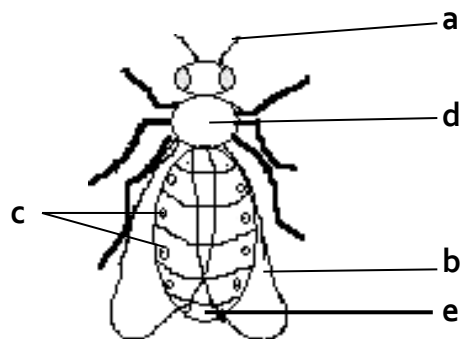
Duck

chicks

Cow

kitten

10. Study the diagram below and answer the questions that follow.



(i) How are the parts marked "a" and "b" useful to an insect?

a _____

b _____

(ii) Name the parts marked

a _____

c _____

d _____

b _____

e _____

(iii) On which part of an insect do we find the spiracles?

11. Mention any four harmful insects to man.

i) _____

(ii) _____

iii) _____ (iv) _____

12. State any three useful insects to man.

i) _____

(ii) _____

iii) _____

13. Name any two types of bees you know.

i) _____

(ii) _____

14. What are social insects?

15. Mention any two examples of social insects.

i) _____

(ii) _____

16. A group of bees is called

17. How are bees useful to man apart from pollinating flowers?

18. Why do bees visit flowers?

19. Mention any two uses of honey to people.

i) _____

ii) _____

20. Give any two signs of a sick bird.

i) _____

ii) _____

THEME: PLANTS

1. Name two groups of plants
i) _____
ii) _____
2. Define:
i) Flowering plants

ii) Non-flowering plants

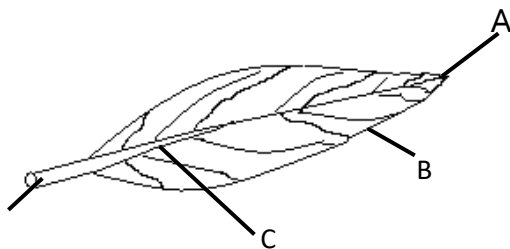
3. Give any four examples of flowering plants.
i) _____ (iii) _____
ii) _____ (iv) _____
4. Mention any two examples of non-flowering plants.
i) _____
ii) _____
5. Mention any four parts of a plant you know.
i) _____ (iii) _____
ii) _____ (iv) _____
6. What is a plant habitat?

7. Name any three examples of plants found in the school compound.
i) _____
ii) _____
8. Name any three plants that grow well in swampy areas.
i) _____ (ii) _____
iii) _____
9. Outline any two plants that grow well in desert areas.
i) _____
ii) _____
11. Draw a plant and name the parts: - fruit, flower, stem rot and leaf

12. Which part of a plant is responsible for photosynthesis?

13. Name any two systems of plants.
i) _____

- ii) _____
14. Name the three major parts of a plant.
- i) _____ (ii) _____
- iii) _____
15. Study the diagram below and answer the questions that follow.



a) Name parts marked

A _____

B _____

C _____

- b) Give the two types of leaves you know.
- i) _____ (ii) _____
16. State any two uses of leaves to plants.
- i) _____
- ii) _____
17. Give any two examples of plants with compound leaves.
- i) _____
- (ii) _____
18. Mention any two uses of leaves to man.
- i) _____
- (ii) _____
19. a) Define photosynthesis
- _____
- b) How is chlorophyll useful during photosynthesis?
- _____
- c) Mention any two conditions necessary for photosynthesis.
- i) _____
- (ii) _____
20. Identify the by-products of photosynthesis.
- i) _____
- (ii) _____
21. Define transpiration.
- _____
22. Which part of a plant is responsible for transpiration?
- _____
23. Give any two advantages of transpiration in plants.
- i) _____

- ii) _____
24. How is the sun useful during photosynthesis?

25. Name any two types of stems you know.
i) _____
ii) _____
26. Give any one example of each of the following types of stems.
Upright stems _____
Climbing stems _____
Underground stems _____
27. Mention any three uses of stems to plants.
i) _____
ii) _____
28. State any two importances of stems to people.
i) _____
ii) _____
29. Apart from adventitious roots, give any other two types of roots.
i) _____ (ii) _____
30. Give any two examples of plants each with the type of roots mentioned below.
Tap roots
(i) _____ (ii) _____
Prop roots
(i) _____ (ii) _____
Fibrous roots
(i) _____ (ii) _____
31. Give any two uses of roots to a plant.
i) _____
(ii) _____
32. How are roots useful to people? Give two ways..
i) _____
ii) _____
33. Which part do we eat on a sugar cane plant?

34. **Match the following correctly.**
- | <u>Food</u> | <u>Part of a plant</u> |
|-------------|------------------------|
| Potatoes | fruit |
| Maize | stem |
| Sugar cane | roots |
| Orange | seeds |

35. Give any two factors to consider when starting a school garden.
i) _____
ii) _____
36. State any two importance of a school garden.
i) _____
ii) _____
37. Define a nursery bed.

38. Outline any two uses of a nursery bed.
i) _____
ii) _____
39. Give any four crops that are grown in a nursery bed.
i) _____ (iii) _____
ii) _____ (iv) _____
40. How can a farmer care for crops in a nursery bed?
i) _____
ii) _____
41. What is spraying?

42. Define the following
a) Weeds

c) Weeding

d) Mulching

e) Transplanting

f) Thinning

43. Name any four weeds you know.
i) _____ (iii) _____
ii) _____ (iv) _____
44. Outline any two ways of controlling weeds in the garden.
i) _____
ii) _____
45. How are weeds important to people?
i) _____

- ii) _____
46. Identify any two dangers of weeds in the garden.
i) _____
ii) _____
47. List any two uses of weeds to animals.
i) _____
ii) _____

P.3 LITERACY I TERM III

Topic 1: Disease

1. What are vectors?

2. Draw and name one vector



3. How are vectors dangerous to human beings?

4. State the difference between germs and vectors

5. Name the germs that cause malaria

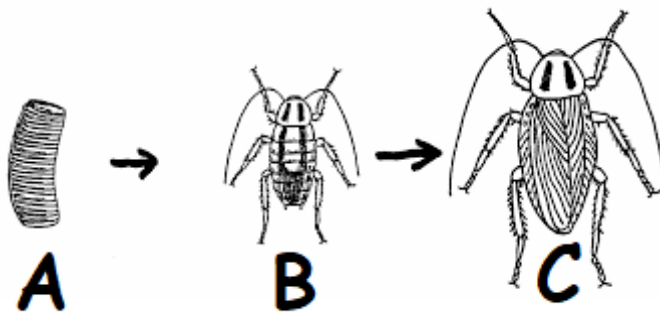
6. Which feature enables a housefly to carry germs from one place to another?

7. Identify any one factory drug used to treat malaria

8. Give one insect that undergoes an incomplete metamorphosis

9. State one way of controlling house flies in our environment

10. Sleeping sickness is to people as _____ is to animals.
- 11a) Name the stages of a cockroach marked with letter B



- b) Which type of metamorphosis is shown above?

- c) Mention any other insect that undergoes the above life cycle

12. Write the diseases caused by germs spread by the following types of mosquitoes
 - a) Culex mosquito _____
 - b) Aedes/tiger mosquito _____
 - c) Female anopheles mosquito _____
- 13a) Write one of the 4Fs

- b) Identify any one disease that is spread through the 4Fs

- c) How best can we control such diseases?

- 14a) Define the term dehydration

- b) State one of the main causes of dehydration

c) Apart from having sunken eyes, mention any other sign of dehydration

15a) Write O.R.S in full

b) Why are dehydrated patients given O.R.S?

c) State the first step done when preparing O.R.S

Topic 2: HIV/AIDS AND PIASCY

1. Write AIDS in full

2. Name the germ that causes AIDS

3. How is HIV/AIDS dangerous?

4. Why is HIV/AIDS called a deadly disease?

5. Write HIV in full

6. Write PIASCY in full

7. Who initiated PIASCY programme?

8. What is the major importance of PIASCY messages in our community?

9. Why is it not advisable for a child to walk alone at night?

10. State one way in which HIV/AIDS affects an individual

SECTION B

11a) State any two signs and symptoms of HIV/AIDS

i) _____

ii) _____

b) What can one do to know their HIV status?

c) Write three ways in which HIV/AIDS is spread from one person to another

i) _____

ii) _____

iii) _____

13. Identify three ways in which we can prevent HIV/AIDS from spreading

i) _____

ii) _____

iii) _____

14a) State any two effects of HIV/AIDS to a family

i) _____

ii) _____

b) Write down any three PIACSY messages

i) _____

ii) _____

iii) _____

Topic 3: Sources of energy

1. What is energy?

2. Why is planting trees very important?

3. Which kind of electricity is produced by running water?

4. State any one danger of electricity at home

5. Identify any one natural source of energy

6. Mention one artificial source of energy

7. State any one form of energy obtained from the sun

8. What is energy conservation?

9. Mention one way of controlling floods in our environment

10. In which way is water a source of energy?

SECTION B

11a) Write down any two ways in which wind is useful to people

i) _____

ii) _____

b) Give one danger of strong wind

12a) What is fuel?

b) Write down two examples of fuel

i) _____

ii) _____

13. State any three uses of electricity

i) _____

ii) _____

iii) _____

14a) How can we save energy at home? Give two ways

i) _____

ii) _____

b) Give one reason why we save energy

15. Write down any three uses of the sun in our environment

i) _____

ii) _____

iii) _____

Topic 4: Accidents and First Aid

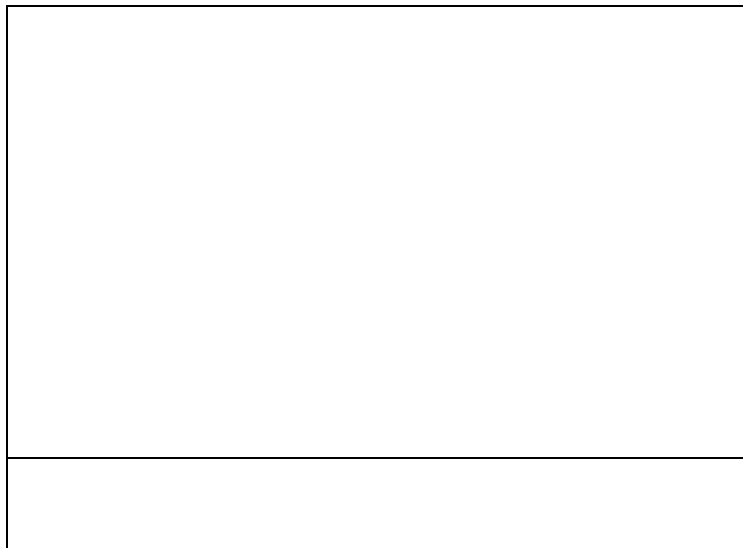
1. What is an accident?

2. Identify one item or thing that causes accidents

3. Write one category of road users

4. In which way can we prevent accidents on roads?

5. Draw and name the road sign that helps us to cross busy roads



6. What is first aid?

7. Identify one item needed in giving first aid

8. Who is a First Aider?

9. Who is causality?

10. Mention any one cause of accidents at school

11a) What is a first aid box?

b) List down two things found in a first aid box

i)

ii)

12. Write three reasons why we give first aid

i)

ii)

iii)

13. Give any three types of accidents that take place at school

i)

ii)

iii)

14. Write down three causes of road traffic accidents

i)

ii)

iii)

c) What is the importance of gloves to a first aider?

Topic 1

1. Vectors are living organisms that spread germs which causes diseases
2. House fly Mosquito
3. Vectors spread germs which cause disease
4. germs cause diseases while vectors spread diseases causing germs
5. Plasmodia germs
6. The hairy body
7. Quinine, chloroquine , fansider
8. Cockroach, grasshoppers, dragon fly
9. maintain proper sanitation/ spraying using insecticides
10. Nagana
11. Nymph
- b) Incomplete metamorphosis
- c) grasshoppers, locusts , dragon flies
- 12a) elephantiasis
- b) yellow fever/ dengue fever
- c) malaria
- 13a) Feaces, Flies, Food, Fingers
- b) diarrhea, typhoid, cholera , dysentery
- c) By maintain proper sanitation and hygiene
- 14a) Dehydration is the condition when the body does not have enough water
- b) Severe vomiting / severe diarrhea
- c) pale skin / a pinch on the skin takes long to return, passing out little or no urine
- 15a) Oral rehydration Solution
- b) To replace the lost water and mineral salts
- c) Washing hands with clean water and soap

Topic 2

1. Acquired Immune Deficiency Syndrome
2. HIV
3. HIV/AIDS kills people
4. HIV/AIDS has no cure
5. Human immune deficiency virus
6. Presidential Initiative on AIDS Strategy for Communication to Youth
7. His Excellence Yoweri Kaguta Museveni
8. PIASCY messages protect the youth from HIV/AIDS
9. A child may be kidnapped / a child may be raped
10. HIV/AIDS leads to death of an individual

- 10a) Loss of weight/ red lips / chronic cough
- b) Having a blood test in health centre
- 12. having unprotected sex with an infected person
 - Through blood transfusion
 - Through breast feeding
 - Through sharing sharp objects with an infected person
- 13a) Be faithful to your partner
 - Abstain from sex
 - Use condoms
 - Screen blood before transfusion
- 14a) A family loses a member/ it leads to poverty in a family/ loss of income during treatment
- b) Maintaining proper hygiene and sanitation
 - giving them a balanced diet
 - showing them love
- 15. say no to bad touches
 - Do not take gifts from strangers
 - Say not to early marriages
 - Do not move in lonely places

Marking guide Topic 3

- 1. Energy is the ability to do work
- 2. Planting trees help to save energy
 - Trees provide timber, fire wood etc.
- 3. Hydro electricity
- 4. Electricity destroys and burns electric appliances / electricity causes fire
- 5. the sun, wind, water, food
- 6. Electricity
- 7. Heat energy / light energy
- 8. Energy conservation are ways of saving energy
- 9. By constructing wide channels
- 10. water generates hydro electricity
 - Water is used for transport
- 11a) Wind moves wind mills
 - Wind sails boats
 - Wind is used for winnowing
- c) Strong wind destroys houses, plants etc.
 - strong wind washes away top soil
- 12a) Fuel is anything that is burnt to produce heat energy
- b) Charcoal/ coal/ Firewood/ diesel
- 13. Electricity is used for cooking

- Electricity is used to run electric appliances
- Electricity provides light etc.
- 14a) Using energy saving bulbs
- Switching off lights when not in use
- Putting out fire after use
- b) we save energy for future use
- we save energy to reduce costs
- 15. The sun helps in rainfall formation
- The sun dries our clothes
- The sun provides solar electricity
- The sun provides light

Marking guide

Topic 4

1. An accident is a sudden injury on the body
2. Broken bottles
- Nails
- Water bodies
- Fire
3. Animals/ cyclists/ drivers/ pedestrians
4. we should avoid playing on roads
- We should follow road signs
5. Zebra crossing
6. First aid is the first help given to a casualty before being taken to the nearest health centre
7. Plaster, bandage, spirit, cotton wool
8. A first aider is a person who gives first aid to a casualty
9. A casualty is a person who has got an injury
10. climbing trees
- Fighting
- 11a) A first aid box is a box where first aid tools are kept
- b) bandage / plaster/ cotton wool/ spirit/ iodine
12. to save life/ to reduce pain/ to prevent more /further injuries/ to promote quick recovery
13. cuts/ burns/ bites/ scalds/ near drowning/ bruises etc.
14. Over loading / over speeding/ poor roads/ bad weather
- 15a) broken bottles cause cuts
- Nails pierce people
- b) gloves protect health workers from infections

