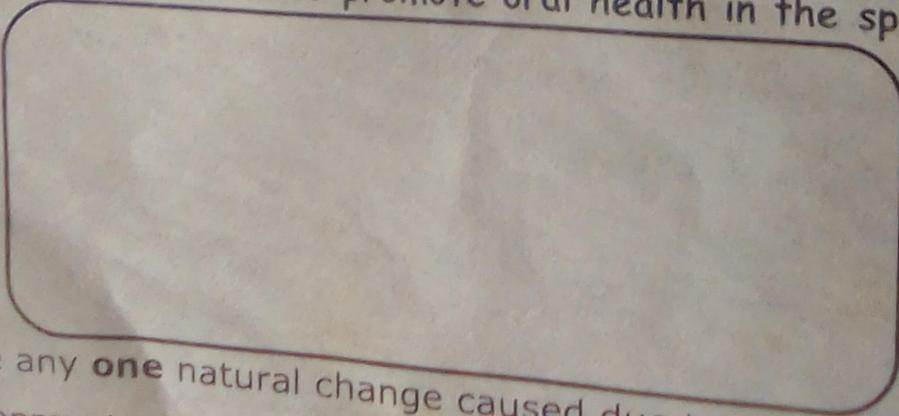


SECTION A (40 Marks)

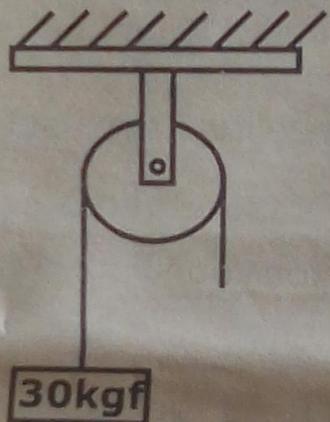
(Questions 1 to 40 carry one mark each)

1. Name the type of weather good for farmers during harvesting period.
2. Mention the method of making alcohol from fruit juice.
3. Give any one effect of early pregnancy to a school girl.
4. How can the brightness of an electric bulb be increased in a simple circuit from dry cells?
5. How are the lungs useful in the process of respiration?
6. Give any one way in which predators benefit from plants.
7. Write one element of PHC which helps to control the spread of diarrhoeal diseases
8. Give a reason why dogs bark.
9. Draw any one item used to promote oral health in the space below.

10. Name any one natural change caused due to people activities in the environment.



11. In which part of a plant does photosynthesis mainly take place?
-
12. Which class of food repairs and replaces worn out body tissues?
-
13. Give any **one** way in which percussion musical instruments can be played.
-
14. Write any **one** healthy reason for burying a dead body.
-

The diagram below shows a type of pulley. Use it to answer questions 15 and 16 below.



15. Give any **one** advantage of using the above type of pulley.
-
16. With the help of an arrow, show the direction of the movement of the effort in the above pulley.
-
17. State any **one** effect of gonorrhoea to a pregnant mother.
-
18. Apart from killing germs in food, give **one** other importance of hydrochloric acid during digestion of food.
-
19. State any **one** role of a science club in your school.
-
20. How useful is terracing to a farmer in hilly area?

21. State any **one** structural difference between the left ventricle and the right ventricle.

22. How are conifers similar to beans in terms of reproduction?

23. How can dysentery be controlled at school?

24. Write any **one** major cause of poultry vices.

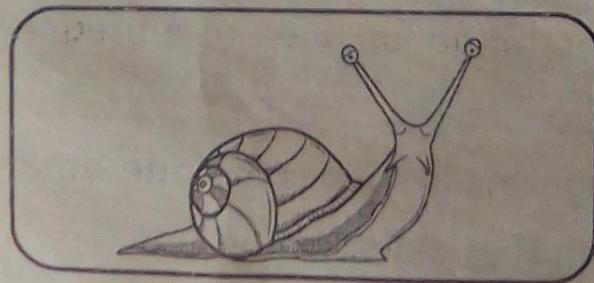
25. State any **one** way banana peelings are useful at home.

26. Give any **one** way of caring for your finger and toe nails.

27. What is the most commonly used fuel in Uganda?

28. Why is rest and sleep important to a person?

The diagram below is of an animal. Use it to answer questions 29 and 30 below.



29. How does the above animal reproduce?

30. How is the above animal dangerous to the environment?

31. State any **one** characteristic of images formed by a pin-hole camera.

32. Why does a pregnant woman need a lot of proteins in her diet?
-
33. Give any **one** role of the calyx on a flower.
-
34. How can indigestion be controlled among elderly people?
-
35. Write any **one** example of ventilation in a house.
-
36. Give any **one** way of preserving cereal crops after harvesting.
-
37. How do deciduous plants control the rate of transpiration during the dry season?
-
38. Apart from lubricating, give any **one** other way of reducing friction in moving parts of a machine.
-
39. In which way is a dip tank important in a livestock farm?
-
40. Give any **one** reason why nimbus clouds lie at the bottom of other clouds?
-

SECTION B (60 Marks)

(Questions **41** to **55** carry **four** marks)

41(a) What is harvesting as used in crop growing?

(b) Give the method of harvesting the following crops.

i) Cassava

ii) Coffee beans

(c) Give **one** way of caring for harvested cereal crops.

42(a) Name the component of the environment used as fuel.

(b) Apart from the component named above, give **two** other living components of the environment.

(i) _____

(ii) _____

(c) Which component of the environment supports plant growth?

43(a) How does a duck billed platypus reproduce?

(b) Why is a duck billed platypus regarded as a mammal?

(c) Which characteristic makes bats different from other mammals?

(d) How are bats able to obtain their food at night in absence of sunlight?

44(a) Give the meaning of the term near drowning.

(b) Name **two** places at home where near drowning can occur.

(i) _____

(ii) _____

(c) Give any way of preventing near drowning.

45(a) Apart from cross pollination, give **one** other type of pollination.

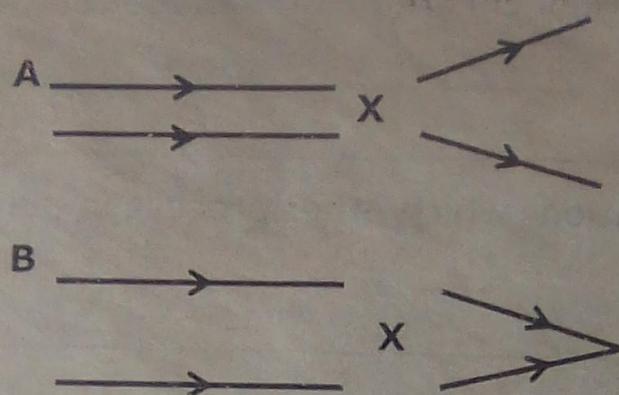
(b) Give **one** nocturnal agent of cross pollination.

(c) State **one** reason why each of the plant below are categorized under cross pollination.

(i) Maize _____

(ii) Pawpaw _____

46(a) Draw suitable lenses to complete diagrams A and B at point X.



(b) Apart from correction of eye defects, give **two** other uses of lenses.

(i) _____

(ii) _____

47(a) How useful is water during the process of photosynthesis?

(b) Name the group of living things which carry out photosynthesis.

(c) How is chlorophyll important during photosynthesis?

(d) Name the class of food made by plants during photosynthesis

48(a) Apart from vitamins, give **two** other components of a balanced diet.

(i) _____

(ii) _____

(b) How useful are vitamins to the human body?

(c) Give **one** importance of resting after a heavy meal.

49(a) Apart from rainy weather, mention any **two** other types of weather.

(i) _____

(ii) _____

(b) State **two** ways school children can manage rainy weather.

(i) _____

(ii) _____

50(a) Apart from respiration, which other process in plants gives out carbon dioxide?

(b) Why do living things carry out respiration?

(c) Give **two** uses of the main product of respiration in living things.

(i) _____

(ii) _____

51. The diagram below shows a planting material. Study and use it to answer the given questions.



(a) Name the planting material drawn above.

(b) Which type of propagation does the above planting material belong?

(c) State **one** advantage of using the above type of propagation in (b) above.

(d) By using letter Z, show the part that sprouts into a new shoot.

52(a) Name **two** layers of the human skin.

(i) _____

(ii) _____

(b) Name the food nutrient manufactured by the human skin.

(c) How is the human skin adapted to sweating?

53. The table below shows the different food stuffs eaten in four families. Study it and answer the questions that follow.

Family	Beans	Rice	Greens	Fruits
M	X	✓	✓	X
N	✓	✓	✓	✓
O	✓	✓	✓	X
P	X	✓	X	X

KEY

✓
X

Present in their diet

Absent in their diet

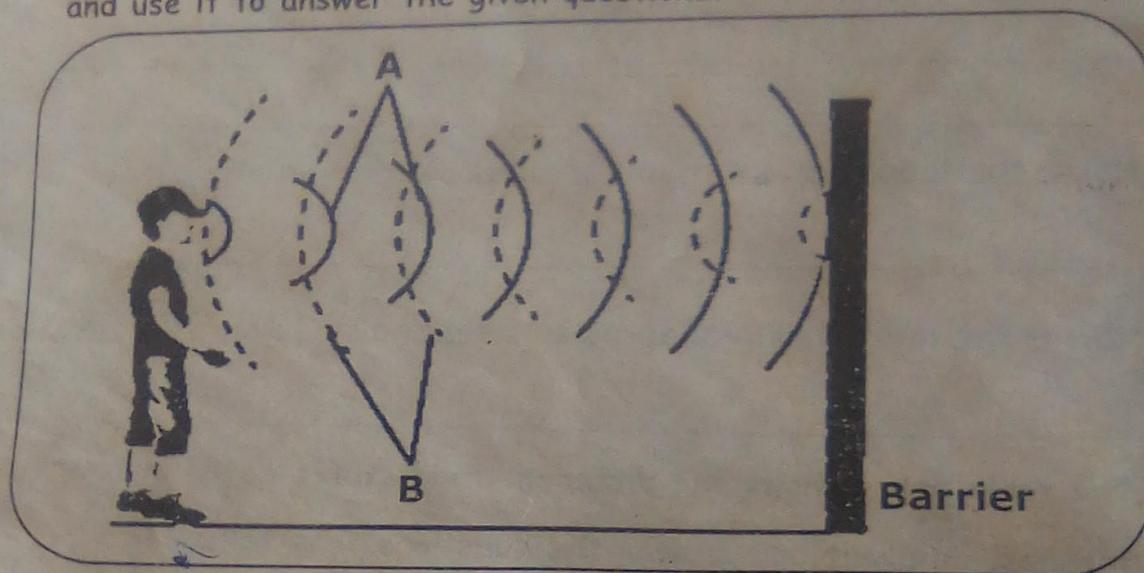
(a) Name the food stuff from the list which is eaten by all the four families.

(b) Which of the four families feeds its members on a balanced diet?

(c) State the type of protein present in the table.

(d) Which health concern in the community may affect families M and P?

54. The diagram below shows two forms of sound energy. Study carefully and use it to answer the given questions.



(a) Name sound waves labelled **B**.

(b) How is sound wave **B** formed?

(c) State **one** disadvantage of sound wave **B**.

(d) Give any **one** way of reducing on the production of sound wave **B**.

55(a) In which way are the joints important in the body?

(b) Name any **two** joints found on the human limbs.

(i)

(ii)

(c) How is a joint adapted to friction free movement?

53. Use the diagram of a bean seed to answer questions that follow.



(a) Name the type of seed shown above.

(b) Name the parts labeled;

(i) G _____

(ii) D _____

(c) Give the use of the part labeled K to the bean seed.

54. (a) Write V.H.T in full.

(b) State one role of a V.H.T to the community.

(c) Mention the element of P.H.C that controls population growth.

(d) Suggest one way of caring for people with special needs.

55. (a) Name the major organ responsible for blood circulation in the body.

(b) Which blood vessel carries deoxygenated blood from other body parts to the heart?

(c) How is the left side of the heart adapted to its function?

(d) Why are physical exercises encouraged in our daily life?

END

49. (a) Give the function of the following garden tools;

- (i) Sickle.
- (ii) Secateur.

(b) How can the above garden tools be prevented from rusting?

(c) Name the garden tool used for transplanting.

50. (a) Write **two** exotic breeds of goats kept for milk production.

- (i)
- (ii)

(b) Give **two** advantages of keeping local breeds of goats.

- (i)
- (ii)

51. (a) List **two** traditional bee hives.

- (i)
- (ii)

(b) How is the smoker useful during harvesting of honey?

(c) Why does a person harvesting honey put on protective gears?

52. (a) Write down any **two** signs of a cow on heat.

- (i)
- (ii)

(b) How is foot rot controlled in cattle management?

(c) Why should a farmer wash the teats of a cow with warm water before milking?

- (a) Name the musical instrument above.
-
- (b) Mention the class of the musical instrument shown above.
-
- (c) How can the pitch of the musical instrument above be increased?
-
- (d) Apart from the above musical instrument, name any other musical instrument you know.
-
- 5 (a) Name the disease vector with incomplete metamorphosis.
-
- (b) How can you control the above vector in your home?
-
- (c) Give two reasons why the above vector is regarded as a true insect.
- (i) _____
- (ii) _____
-
- (a) State the difference between fainting and convulsion.
-
- (b) Write two conditions that lead to fainting.
- (i) _____
- (ii) _____
- (c) Why is a fainted person laid down with raised legs?
-
48. (a) Name the class of food digested in the mouth.
-
- (b) How does food move down the gullet?
-
- (c) Apart from cooling food, how else is saliva useful during digestion of food?
-
- (d) Name the enzyme that breaks down proteins into peptides.
-

(i) Thirsty

(ii) Adolecence

(b) Mention one disease that affects the reproductive system.

(c) What is the best method of preventing diseases that affect the reproductive system?

43. Match correctly items in list A with those in list B.

List A

Carbohydrates

Vitamin C

Roughages

Iodine

ii) Carbohydrates

iii) Vitamin C

(ii) Roughages

(iv) Iodine

44. (a) Define the term immunization

(b) Name the immunizable disease immunized at the age of 9 months.

(c) Write two ways of acquiring natural immunity.
i) _____
ii) _____

45. Study the diagram below and answer the questions that follows.



30. Identify the compound of soil that promotes aeration of soil

31. What do you understand by the term weight?

32. Identify any one cause of road accidents.

33. Why do farmers keep exotic breeds of rabbits?

34. Write any one characteristic of chemical changes.

35. What is a balanced diet meal?

36. Name any one leguminous crop.

37. How is drug misuse different from drug abuse?

38. Why is water regarded as a renewable resource in the environment?

39. How are birds adapted to flying?

40. Write any one chemical used in the treatment of water.

SECTION .B. (60 Marks)

41. (a) Write down any two respiratory diseases in human beings.

(i)

(ii)

(b) How can respiratory diseases be controlled?

(c) Why is trachea made up of rings of cartilage?

42. (a) Write short notes on the following

15. How is the amniotic fluid important during pregnancy?

16. Give the function of ileum in the human digestive system.

17. State the role of a P.G pupil in the promotion of Primary Health Care (PHC).

18. How are veins different from arteries?

19. Name the practice in cattle management of putting a hole in the ear of a cow.

20. How are bacteria important in the environment?

21. Write down one set of teeth in human beings.

22. Name the part of a plant used for breathing.

23. In which way can mulching be dangerous in crop growing?

24. Name the disease that can result from poor personal hygiene.

25. Of what importance is a rack in a home?

26. Name the disease spread by the vector drawn below.



27. Why is it important to cook meat thoroughly before serving it?

28. How can you obtain clean water from muddy water?

29. Write the type of latrine with a vent pipe and a screen.

SECTION A. (40 Marks)

1. Name the female reproductive cells in human beings.
 2. Identify any one organ for breathing.
 3. Name any one vaccine given at birth.
 4. Write down one class of food responsible for body growth.
 5. Name any one accident that is common at school.
 6. How does the cutting of bush around our houses control the spread of malaria?
 7. Name the body organ that stores food for settlement.
- Study the diagram below and answer question 8.**
- 
8. Why is part X made of wood.
 9. Write down one percussion musical instrument.
 10. How can a farmer control egg eating in poultry keeping?
 11. Why do farmers harvest their crops during the dry season?
 12. How is seed dispersal important in the environment?
 13. What special name is given to a young one of a pig?
 14. Which group of invertebrates do insects belong?