

SCIENCE PLE 2006

CANDIDATE'S INFORMATION

Index number :

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Name :

Signature :

School name :

District name :

SECTION A: 40 MARKS

1. What good health habit should be practiced after visiting a latrine or toilet?

2. Give any one way in which animals are important during the process of photosynthesis.

3. What form of energy does falling stone have before it reaches the ground?

4. State any one reason why some plants climb others?

5. Give one common use of sand at home

The diagram below shows a glass of water with water and a pencil in it. Use it to answer question 6.



6. What causes the pencil to appear bent?

7. What first Aid would be given to Jamada who has burnt his hands with hot metal?

8. Give any one practice that can help to control the spread of cholera in a school.

9. Give any one reason why people plant trees around their houses.

10. A part from the skin and lungs, name any other excretory organ.

11. Give any one way in which the breathing of a housefly is different from that of a rat.

12. Give any one way in which soil is important to a plant.

13. Why is a wet cloth put on the body of a person with fever?

The diagram below is of a blood cell. Use it to answer questions 14 and 15.

14. What type of blood cell is shown in the diagram?



nucleus

15. Give a reason for your answer in question 14 above.

16. Give any one reason why plants are grouped among living things.

17. Give one example of a leguminous crop

18. How does a snail protect itself from its enemies?

19. Give any one disadvantage of keeping poultry on free range system.

20. Give any one reason why air is considered to be matter.

21. Give any one reason why people like the brick makers need to feed on more carbohydrates.

22. Which part of air is necessary for burning to take a place?

23. Give the meaning of drug abuse.

24. State one way of making a magnet.

25. Which part of the human body does trachoma attack?

26. Suggest any one reason in which the use of solar energy helps in the protection of the environment.

27. Why is a ventilated improved Pit latrine (VIP) left without a cover?

28. How do some people become passive smokers?

29. Draw a prop root system in the space provided below.



30. Name any one crop with a root system similar to the one you have drawn above.

31. What causes an echo?

32. Why does a stone sink when it is put in a bucketful of water?

33. Give one way through which worms enter our bodies.

34. Mention the instrument used to measure the temperature of a human body.

35. What is the process by which seeds grow into seedlings?

36. State any one use of an axe in a home.

37. Give any one reason why white objects are seen easily even at a distance.

38. Give any one way in which people benefit from bees.

39. Which bone in the human skeleton protects the brain?

40. Give any one characteristic which is common in all the invertebrates.

SECTION B: 60 MARKS

41. John fell off a bicycle and broke his thigh bone.

a. Name the injury which John got.

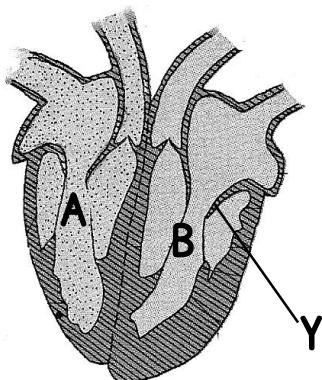
b. State two ways in which John can be given first aid.

i. _____

ii. _____

c. What is the importance of giving first Aid to a person like John?

42. The diagram below shows a human heart. Use it to answer the questions that follow:



a. What is the function of the part marked letter Y?

b. Give the difference between the blood in the regions marked with letters A and B.

c. Put arrows on the short lines marked with number 1 and 2 to show the direction of the movement of blood.

43. a. Name any two parts of a plant which provide human beings with food.

i. _____

ii. _____

b. Give any two ways in which plants benefit from animals.

i. _____

ii. _____

44. Below is a list of activities carried out by people in the environment. Use the list to answer the questions that follow.

- Fishing - bush burning

- Producing a lot of smoke in the factories - Draining swamps

a. Which activity is likely to decrease the amount of rainfall?

b. Which activity is likely to spoil the fertility of the soil?

c. Which activity is good for controlling crop diseases?

d. Which activity is likely to cause pollution of the atmosphere?

45. The table below shows different groups of vertebrates.

A	B	C
Birds	Mammals	Amphibians

a. To which group of vertebrates does each of the following belong?

- Bat _____

- Frog _____

b. Give any one way in which the reproduction of animals in group B is different from that of animals in group C.

c. Give any one other group of vertebrates which is missing in the table.

46. a. What is the importance of taking children for immunization?

b. Which vaccine is given to the child in the mouth at birth?

c. Give any two ways in which the child's health is important to the parents.

i. _____

ii. _____

47. a. Give any two reasons why a mushroom is not a plant.

i. _____

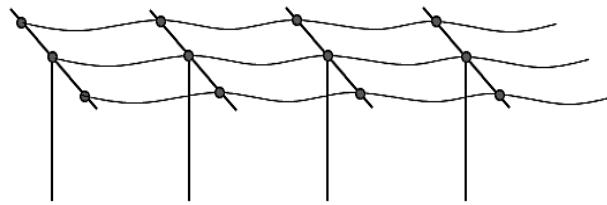
ii. _____

b. Give any two plants that produce in the same way like a mushroom.

i. _____

ii. _____

48. The diagram below shows wooden poles with electricity wires. Use it to answer the questions that follow:



a. State any one reason why the wires are loosely fixed.

b. What would happen to wires if they were tightly fixed?

c. Give one reason why wooden poles are usually used to carry electricity.

d. Why are wires placed very high up?

49. a. Give any one part of the human body where each of the following joints is found.

- Ball and socket joint _____

- Hinge joint _____

- Gliding joint _____

b. Which one of the above joints can make an all-round movement?

50. a. What is a chemical change?

b. Give any one example of a chemical change.

c. When water changes to ice, the process is called freezing. Name the process in each of the following changes.

- Ice to water _____

- Steam to water _____

51. a. Give any one reason why people include proteins in the diet.

b. What is the importance of fruits in a diet?

c. State any two ways of protecting children against malnutrition.

i. _____

ii. _____

52. The list below gives some of the methods farmers use to control soil erosion.

Use it to answer questions that follow.

- Terracing

- planting trees

- Contour ploughing

- Mulching

Which of the two methods given above are best for?

Land with a gentle slope

i. _____

ii. _____

Land with a steep slope

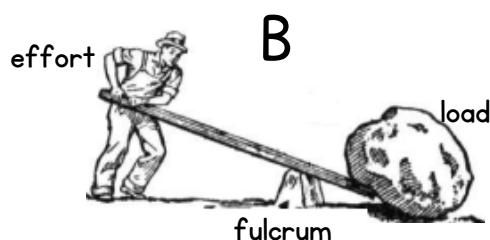
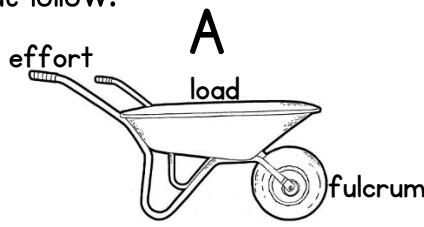
i. _____

ii. _____

53. Give any one sign you would see on cattle suffering from the following diseases.

- Anthrax _____
- East Coast fever _____
- Nagana _____
- Food and mouth _____

54. The diagram below shows two simple machines. Use it to answer the questions that follow:



- Name the machine marked with letter A

- State the class of levers to which each of the above machines belongs.

- Machine A _____

- Machine B _____

- Give any one example of a machine which works in the same way as the machine marked with letter B.

55. The diagram below shows a rabbit house. Use it to answer the question that follow:



- Give any one reason why the rabbit house is raised above the ground.

- Give any two reasons why wire mesh is used in building a rabbit house.

i. _____

ii. _____

- State any one thing that should be provided to the rabbit in the house.
