

PSET KAYONZA DISTRICT MOCK 2013

All questions are compulsory:

1. a. What is the full name of HIV?

b. Give any three ways you can use to avoid contracting HIV.

2. What is digestion?

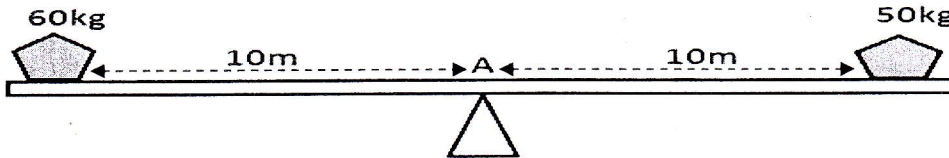
3. By which method is heat transferred through:

a. Air -----

b. Metals -----

c. Water -----

4. The diagram below represents a simple lever system. Each pot is up to 10 m from the pivot A.



a. Which of the two masses will push the lever down?

b. What could you do to balance the lever?

5. What happens to a person whose auditory nerve is completely damaged?

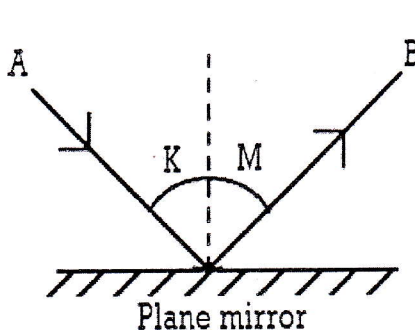
6. Answer true or false.

a. A strong wind can destroy the environment -----

b. Animals which eat grasses are called carnivores -----

c. The methane gas is extracted from Lake Muhazi. -----

7. The diagram below represents a ray of light reflected on a plane mirror.



a. Name the rays A and B

A -----

B -----

b. Identify angles named K and M

K -----

M -----

c. What is the relationship between angle K and M?

d. Find angle K if angle M is 45° :

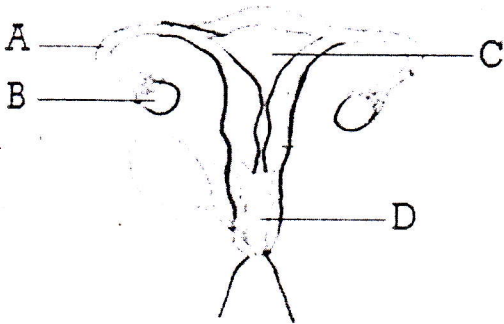
8. Observe the diagram below and answer the questions.



a. Name the following tool.

b. What is its use?

9. The diagram below shows the internal human female reproductive system.



a. Name the parts labelled A, B, C and

A -----

B -----

C -----

D -----

b. How is part B useful to the system?

10. What is the use of carbon dioxide in tinned food?

11. What is the function of red blood cells in the body?

12. Give two reasons why stagnant water is dangerous

13. Explain the two mechanisms of respiration.

14. Where does the exchange of gases take place in a:

a. Fish -----

b. Grasshopper -----

15. a. What is pregnancy?

b. How long is the gestation period in man?

16. Which kind of gas is used for:

a. Photosynthesis -----

b. Burning -----

c. Germination -----

17. Identify the joints found in the following body parts:

a. Shoulder -----

b. Neck -----

18. Mention two effects of friction.

19. Write down two secondary sexual characteristics for boys and girls.

Boys

Girls

20. Why do insects and birds frequently visit bright and scented flowers?

21. Define the following terms:

a. Soil profile

b. Soil drainage

22. Give two reasons why first aid is given to patients.

23. a. State two functions of the roots.

b. Give one function of the leaves to a plant.

24. What is the percentage of each of the following gases in air?

a. Oxygen -----

b. Nitrogen -----

c. Rare gases -----

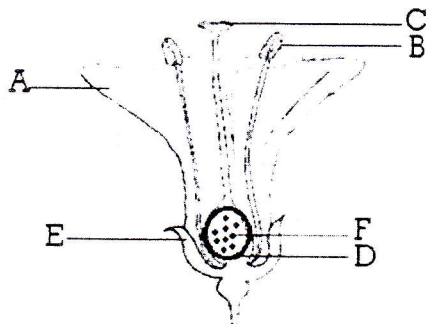
d. Carbon dioxide -----

25. Which enzymes help in the digestion of starch in the mouth?

26. What process enables food to pass through the oesophagus during swallowing? -----

27. State any one importance of hydrochloric acid in the stomach.

28. The diagram below shows parts of the flower. Name them.



A -----

B -----

C -----

D -----

E -----

F -----

29. Give any one example for each of the following types of bones.

a. Long bones -----

b. Short bones -----

c. Flat bones -----

30. Tadeo used a simple movable pulley to lift a block whose weight was 35N through a distance of 2m. How much work did he do?

31. a. What is dehydration?

b. Mention two causes of dehydration.

32. Suggest two ways of preventing the spread of cholera.

33. Write down two methods of purifying water.

END