

# PSET KICUKIRO DISTRICT MOCK 2013

All questions are compulsory:

1. Match the words in group A with those in group B

Group A

Group B

Trypsin

Glucose

Sucrose

Fruits

Maltose

Amino acids

Rennin

Fatty acids

2. Name four organs of excretion.

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3. How long is the gestation period in man?

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4. State the three functions of the skeleton.

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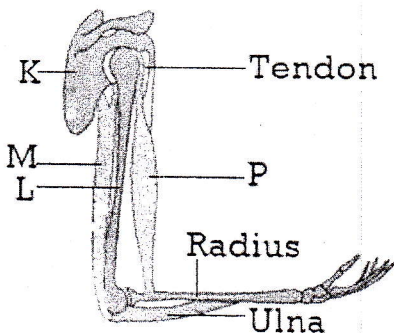
5. Name the structure that attaches a bone to a bone in the joint.

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6. Name the structure that attaches a bone to a muscle.

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7. The diagram below shows the muscles and bones of the fore arm. Use it to answer questions that follow.



- a. Name the parts labelled K, L, M and P

K -----

L -----

P -----

- b. Name the organs protected by the ribs

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8. List down six components of soil.

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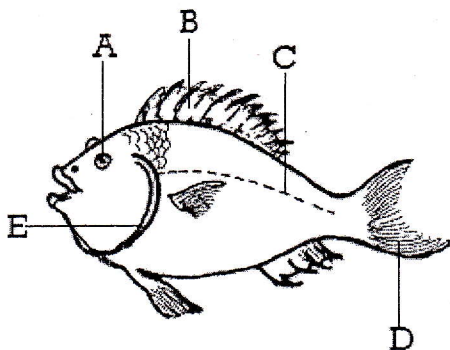
9. a. Name three main types of soil

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b. Which type of soil is suitable for crop farming?

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10. The diagram below shows the external features of a fish.



a. Name the parts A-E

A -----  
B -----  
C -----  
D -----  
E -----

b. Give two uses and two dangers of insects to man.

Uses

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Dangers

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11. Cholera and dysentery are caused by microbes, germs. Suggest three methods you can use to avoid catching these diseases.

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12. Name the parts of air used in:

- a. Rusting -----
- b. Germination -----
- c. Photosynthesis -----
- d. Respiration -----

13. a. What is a testosterone?

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f. What is its role in the body?

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14. a. Mention the three types of bees found in a bee hive.

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b. Which of the above;

i. Lays eggs \_\_\_\_\_

ii. Fertilizes the egg of the queen \_\_\_\_\_

g. What are the sterile female bees called?

\_\_\_\_\_

15. The diagram below shows a lever system.



a. Find the value of A

b. In which class of levers does the above belong?

\_\_\_\_\_

16. List down four steps of land preparation.

\_\_\_\_\_  
\_\_\_\_\_

17. What is the difference between a zygote and an embryo?

\_\_\_\_\_

18. What are the two mineral salts lost from the body in diarrhoea?

\_\_\_\_\_

19. How can you treat dehydration?

\_\_\_\_\_

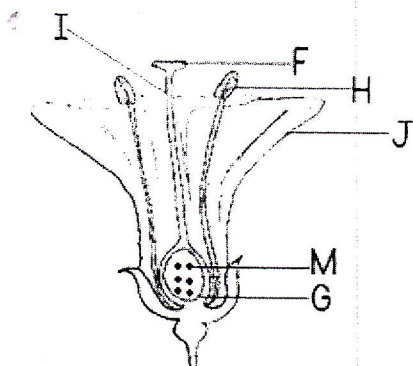
20. Why do we wash our hands before eating?

\_\_\_\_\_

21. Name the two causes of diarrhoea as an infection.

\_\_\_\_\_

22. The diagram below is of a flower.



a. Name the parts marked F, G, H, I, J and M

- F \_\_\_\_\_  
G \_\_\_\_\_  
H \_\_\_\_\_  
I \_\_\_\_\_  
J \_\_\_\_\_  
M \_\_\_\_\_



b. The part of a female that receives pollen grain is

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c. The female part of a flower is called

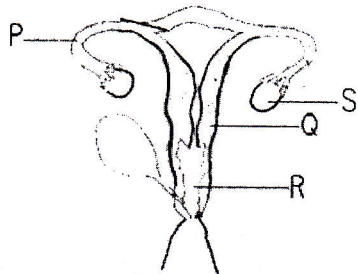
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*Fertilisation*

23. Suppose that the travellers have lost the way in the middle of their journey. Which tool can they use in order to re-find the right direction?

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24. The diagram below shows the female reproductive organs.



a. Name the parts marked P, Q, R, S

- P -----
- Q -----
- R -----
- S -----

b. What is the function of part P?

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c. Name at least one process that takes place in R.

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d. What type of fertilization takes place in people?

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e. How is such fertilization different from that in amphibians (frog, toads, etc)

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25. Explain the mechanics of the small circulation and the big circulation of blood.

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26. A body has a mass of 140g and a volume of 280cm<sup>3</sup>. Find;

a. It's density

b. It's relative density

b. State whether it is a floating or not floating body.

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37. Name any two special tools used by a blacksmith.  
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38. Given the following objects: wooden door, sunglasses, and glass in a window.  
Which of them is;

a. Opaque? -----

b. Transparent? -----

c. Translucent? -----

39. a. Which type of energy helps us to see objects and to read books?

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c. State two uses of electricity in hospitals.

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END