

1. Name the branch of biology that deals with study of -

- (a) Insects.
(b) Micro-organisms.

(1 mark)

(1 mark)

2. The figure below represents a plant.



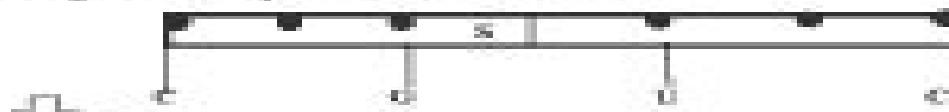
- (a) State the division it belongs.
(b) Label part marked y and state its function.

(1 mark)

(1 mark)

Function:

3. The figure below represent a nucleic acid strand.



- (a) Giving a reason, name the nucleic acid to which the picture belongs.

(2 marks)

Name

Reason

- (b) Write down the base sequence of the complementary strand to that shown above.

(1 mark)

4. Name the blood vessel that supply the blood to -

- (a) (i) Heart muscles.
(ii) Kidney.

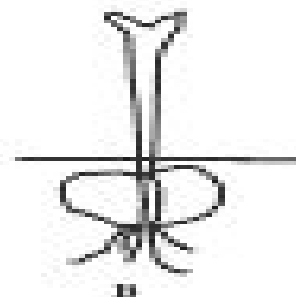
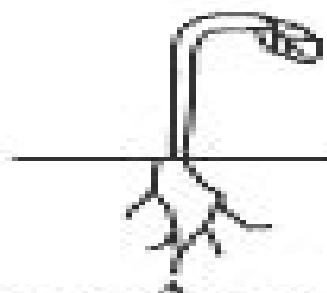
(1 mark)

(1 mark)

- (b) Explain why it is not advisable to sleep in a room with burning charcoal stove.

(2 marks)

5. The figure below represents germination in plants.



- (a) Name the type of germination in A and B above.

(2 marks)

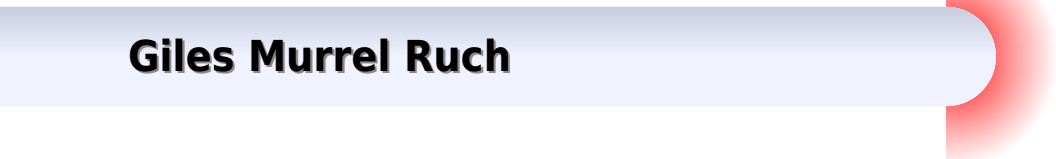
- (b) In seed germination the radicle grows before the shoot. Explain.

(2 marks)

6. Identify with reasons the mode of feeding of the animal whose dental formula is given below.

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Giles Murrel Ruch



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