

NAME:.....

ADM NO.....

CLASS:.....

FORM 1

BIOLOGY EXAM

END OF TERM ONE 2019

TIME: 2 HOURS

FOR EXAMINERS USE ONLY

| | MAXIMUM SCORE | SCORE |
|--------------|---------------|-------|
| SECTION A | 40 | |
| SECTION B | 60 | |
| TOTAL | 100 | |

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6. Name the sub-branches of biology that is involved in the study of; (5mks)
- a). Insects.....
 - b). Birds.....
 - c). Inheritance and variation.....
 - d). Fungi.....
 - e). Bacteria.....

7. State the function of the following apparatus in specimen's collection. (2mks)
- a). Fish net
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 - b). Specimen bottle
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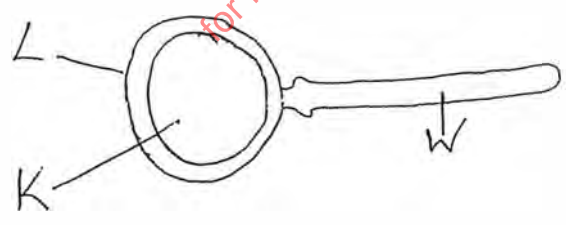
8. a). Define binomial nomenclature. (2mks)

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b). Give **three** rules/principles that are followed in writing Scientific names of organism. (3mks)

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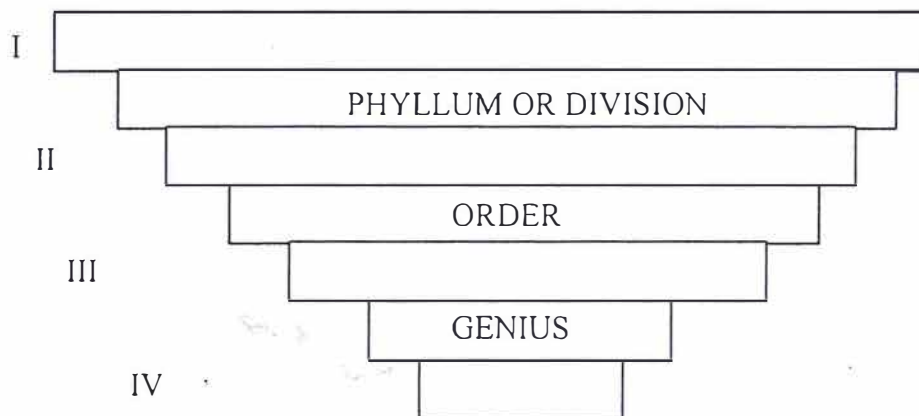
9. The diagram below represents a hand lens.



- a). Name the parts labeled K, L and **W** (3mks)
- K.....
 - L.....
 - W**.....

13. Complete the hierarchy scheme of classification shown below.

(4mks)



14. a). Write the correct kingdom for the following organisms.

(4mks)

- i). Mango tree.....
- ii). Yeast.....
- iii). Rabbit.....
- iv). Bacteria.....

b). Give **four** sources from where a biology student can get scientific names of organisms. (4mks)

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15. a). Kamau observed an object using a microscope with an eye piece magnification of X5 and objective lens X45. What as the magnification of the image? (3mks)

b). A form one student observed eight leaf epidermal cells across the field of view of a light microscope during a biology practical lesson. If the field of view was 4mm in diameter, estimate the average size of one cell in micrometers, (μm). (4mks)

16. Give **one** function of each of the following cell organelles. (3mks)

a). Nucleus

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b). Mitochondria

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c). Centrioles

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17. a). Define the term tissue. (1mks)

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b). Name the animal tissue concerned with. (3mks)

i). Body support

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ii). Body movement

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iii). Irritability/responsiveness

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18. Arrange the following in ascending order; organisms, tissue, organelle, organ, cell and organ system.

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19. State the role of the following in the plant

(3mks)

a). Xylem tissue

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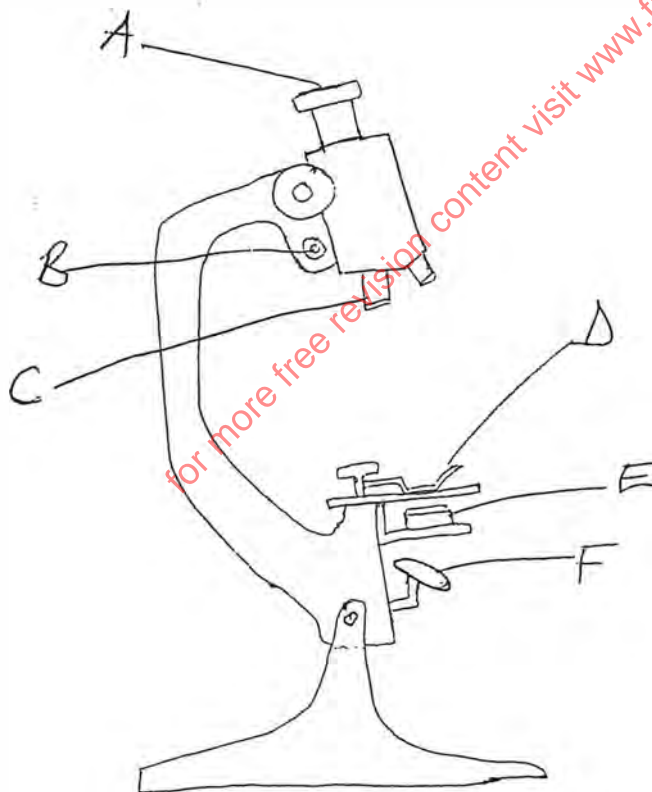
b). Meristem tissue

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c). Phloem tissue

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20. a). Study the diagram of a light microscope below.



21. a). Draw a neat well labeled plants cell as seen under a light microscope.

(7mks)

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b). Name **three** structures present in pant cell but absent in animal cell.

(2mks)

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