NAME …………………………………………………………………………… ADM ………………………..

GATITU MIXED SECONDARY SCHOOL

BIOLOGY FORM 1 CAT 2 2013

1. Name the five major kingdoms into which different living things are grouped currently 5mks
2. State three rules of Binomial nomenclature 3mks
3. State three differences between a light microscope and electrical microscope 3mks

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| --- | --- |
| Light microscope | Electron microscope |
|  |  |
|  |  |
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1. State 4 differences between a plant cell and animal cell 4mks
2. The diagram below shows some components of a light microscope
3. Name the parts labeled A and B 1mk
4. State the functions of the points labeled E and F 2mks
5. A student was viewing a slide preparation of a cheek cell under high power of a microscope. The features of the cell were blussed. Which one on the labeled parts of the microscope would the student use to obtain a sharper outline of the features? 1mk
6. Give the formula used to calculate magnification in a light microscope. 1mk
7. State the function of the following structures 6mks

Structure function

1. Ribosome

1. Lysosome
2. Centriole
3. Golgi bodies
4. Mitochondria
5. Cell membrane
6. Name the organelles which would be found in large numbers in cells of a :
7. Rapidly respiring tissue 1mk
8. Secretory gland 1mk
9. Name the chemical substances which would be found in large amount in vacuole 2mks

ALL THE BEST