FORM 1

TOPIC 2: CLASSIFICATION I.

1. The scientific names of three animals leopard, wolf and lion in the family carnivora are; <u>Panthera</u> <u>pardus</u>, <u>Canis</u> <u>lupas</u> and <u>Panthera</u> <u>leo</u> respectively.
a).Why are scientific names given in Latin?
 Latin language is fairly static/it does not change with time or locality like most other languages;
b) What does *Canis* refer to?
   Generic name of wolf;
c). Giving a reason, state the organisms that are MOST closely related.

Lion and leopard, they belong to the same genus Panthera;

 2. What is binomial nomenclature?
A system of giving two scientific names to an organism.

3. Distinguish between taxon and taxonomy.
Taxon is unit of classification while taxonomy is the scientific study of classification*;*

4. Name the taxon that has closely related interbreeding organisms.
   Species;

5. Give three reasons for classifying organisms.
- **Identifying similarities and differences between organism;**
- **Organize scientific knowledge in an orderly system;**
- **Monitor emergence presence and disappearance of organisms;**
- **Grouping organisms for easy study;**
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6. Give two characteristics that distinguish scientific names of organisms from the ordinary names.
-Two names i.e. 1ˢᵗ genus and 2ⁿᵈ species
-Genus names start with capital letter while species start with small letter. - Both names are written in in italics when printed / underlined when typed or handwritten.

7. A student named cockroach as AMERICAN PERIPLANTA.

a) Identify two mistakes in the name above. **-
The whole name was in capital letter; -The
names were not underlined separately;**

b).Write the correct name of cockroach.

American <u>periplants.</u>