

DIIKA SEED SECONDARY SCHOOL

S.2 MID TERM ASSESSMENT

INSTRUCTIONS:

- Be neat
- Answer all items

Item 01: All living organisms were scientifically named according to the Binomial Nomenclature system discovered by Carlus Linnaeus. This system gives scientific names to organisms with two parts namely the genus names and species name. a) Complete the table below by filling in the most correct genus name, species name or scientific name of the organisms in the blank spaces below. (03 marks)

Task

Organism	Genus name	Species name	Scientific name
Dog	Canis	familiaris	
Housefly	Musca		Musca domestica
Man		sapiens	Homo sapiens
Cockroach		Periplaneta	

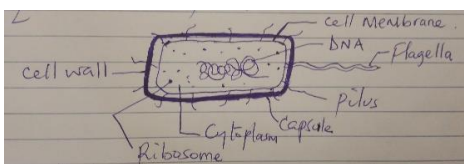
Item 02: Mr. Musoke is a great farmer in Masaka. His cassava plants developed twisted and curled leaves with mosaic pattern and the tubers were deformed. He obtained very low yield last season but is not certain of the cause.

Task

Name the plant structures and the process that were affected in the cassava in the plants (03 scores)

- (i) Plant structures
 - (ii) Process affected
- a) Describe how the symptoms developed on the plant affected the normal functioning of the plants (03 scores)
 - b) Describe how the cause of the symptoms developed by the plants can be controlled (03 scores)

Item 06: prevention of infectious diseases is a major problem in Africa. The ministry of health officials conducted a secondary school's health workshop to address issues pertaining infectious diseases. Many charts were displayed in the workshop conference hall with different organisms which cause infections in man. Below is a structure of one of the organisms displayed. Study it and answer the questions that follow.



- a) What specific name is given to the organism above?
- b) Name the group of organisms to which the organism named in (a) belongs
- c) Name any three infectious diseases in man caused by the organism above
- d) Suggest different ways how each of the infectious diseases named in (c) can be prevented in man.
- e) Covering the breadth of fundamental and applied research involving the above organisms stated in (b) above, the advancement in biotechnology involving such organisms has greatly benefited man much as some organisms are also harmful to man. As a S2 student who has studied the above organism, justify the above statement.