**DARAJANI BOYS’ HIGH SCHOOL,**

P.O BOX 20-90129, NGWATA

**OPENER CAT, TERM II, 2015**

**FORM 3**

**BIOLOGY**

**NAME:………………………………………….………………………………………………… ADM.NO:……………… CLASS:………...**

1. An organism with exoskeleton, segmented body two pairs of legs per segment, a pair of eyes and a pair of short antennae belong to which :- (2mks)
2. Phylum?

……………………………………………………………………………………………………………………………………………………..

1. Class?

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1. Explain how blood pressure is maintained in arteries. (3mks)

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1. Below is a structural formula of a certain organic compound

H R

H - N C COOH

 H H **L**

**K**

(a) (i) Identify the organic compound. (1mk)

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 (ii) Give reason to your answer. (2mks)

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(b) Identify the park K and L. (2mks)

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1. Explain how body size (surface area to volume rates) of an organism influence the rate of respiration. (3mks)

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1. What is the significance of organism having:-
2. A lung loop of Henle. (2mks)

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1. Few glomenili (2mks)

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1. State three divisions of the kingdom plantae. (3mks)

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1. The following diagrams show members of a phylum chordate. Study them and answer the questions that follow:-
2. Name the class to which each of the organisms belong to. (2mks)

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1. Give two main characteristics of each of the classes named in (a) above. (4mks)

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1. Define the following terms used in ecology. (4mks)
2. Ecology

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1. Habitat

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1. Biomass

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1. Population

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