

MAKUENI BOYS HIGH SCHOOL
HOLIDAY ASSIGNMENT
FORM FOUR
TERM 1 2020

1.
 - a) state two main functions of the ear. 2mks
 - b) Explain the role of parts involved in sound transmission and detection in mammalian ear. (18mks)

2.
 - a) In a certain family with two children, one child is blood group B while the other one is blood group O. Work out the genotype of the two children if the mother is blood group A and father group B. (4mks)
 - b) What would be the phenotypic ration of the F₁ generation? (1mk)
 - c) What is haemolytic disease of the new-born (Erythroblastosis foetalis) (3mks)

3.
 - a) State **two** limitations of using fossil records as evidence of evolution. (2mks)
 - b) What is the significance of isolating mechanisms in the process of evolution(3mks)
 - c) Describe geographical distribution as an evidence of evolution. (3mks)

4.
 - (a) What is endocrine gland? 1mks
 - (b) state the effects of thyroxin and adrenaline when released to blood stream. 19mks

5. State the (a) biotic and (b)abiotic factors of ecosystem and for each explain how they influence population of organisms. 20mks

6.
 - (a)State parts and functions of the mammalian eye.(12mks)
 - (b) state 4 eye defects and how they are corrected. (8mks)