

S.3 TERM 2 HOLIDAY WORK

BIOLOGY PAPER ONE

Item one

Mrs Ndagire is a qualified herbalist in Masaka District she obtains medicine from different plant structures either by plucking off leaves, digging out roots, removing bark of the trees or uprooting out of plants. The population of medicinal plants has reduced due to her poor harvesting methods which has made her medicine expensive on the market.

Task

a) Identify the plant processes affected by her poor harvesting methods.

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

b) Explain how her harvesting methods affected the normal functioning of medicinal plants.

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

c) How are the medicinal plants able to survive despite the poor harvesting methods of Ndagire

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

Item two

Due to peer influence by colleagues, Peter started smoking marijuana and taking alcohol at a young age. His 70-year-old father has for long experienced frequent urination and blurred vision while the mother has swollen neck with sharp back pain and cannot see nearby objects well

Task

a) Identify any four organs likely to be affected by the members of the family and state the role of each organ identified

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....
.....

b) Explain the possible causes of health challenges in the family

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

c) Describe the possible solutions on how to manage the health challenges in the family

.....
.....
.....
.....
.....
.....

.....

.....

.....

.....

.....

.....

.....

SECTION B

Item three

A medical research report about the health of people staying near lake Kyoga indicated that the cases of malaria, cholera, HIV and other sexually transmitted diseases have increased greatly. People are worried of the increasing death cases and are calling for the government intervention

Task

- a) Explain the possible causes of the different diseases affecting people near lake Kyoga
- b) Suggest solutions on how to manage the health problems and advise the community about the benefits of conserving lake Kyoga

Item four

James has for the past 20 years been smoking tobacco. He started exhibiting signs and symptoms such as high blood pressure, shortness of breath, painful gums and bleeding gums and has developed signs of serious stroke

Task

- a) Identify the affected body organs and describe how the normal functioning of the body organs identified was affected.
- c) Suggest possible solutions for James to overcome the health conditions developed.

E N D