

SENIOR TWO MID TERM TWO BIOLOGY EXAMINATION

ALL QUESTIONS ARE COMPULSORY

Time: 1 hr 30 minutes

1. (a) Simple leaves are the leaves whose lamina are not divided at all or

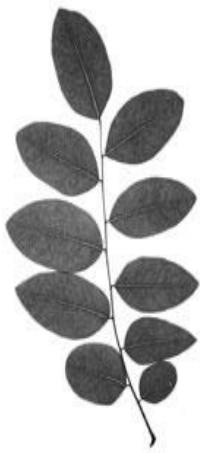
This means that if in case the lamina is partially divided, then it forms lobes but the gaps between the lobes do not reach the midrib of the leaves. Using this background use your competency to identify the leaves below.



(b) Compound leaves on the other side are defined as

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.....
.....

This means that if in case the lamina is completely divided, then it forms and
or After filling correctly identify the photographs of leaves displayed
below.



(c) Compound leaves exist in two forms i.e. as pinnately compound leaves and as palmately compound leaves. The pinnately compound leaves are compound leaves with pinnules along the midrib, whose name changes from midrib to

The pinnately compound leaves are again split into two types basing on the number of pinnules at its tip i.e. compound leaves and compound leaves. After filling the gaps correctly identify the leaves in the photographs below. Write your answer on the sides of the photograph





2. (a) The arrangement of leaves describes the positions that leaves grow on a stem. There are six different categories of leaf arrangements, and they can apply to either simple or compound leaves. Use the photographs below to identify only five different categories of leaf arrangements. Write your answers on the sides of the photograph





(b) The function of the arrangement of leaves is to increase a plant's ability to carry on photosynthesis by positioning the leaves in such a way as to.....

(c) State the general functions of leaves to plants

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(d) (i) Some leaves are designed to perform roles beyond the roles of ordinary leaves and they are termed as.....

(ii) The designs in certain ways to perform functions beyond the ordinary leaves that you must be conversant with include Needle leaves, scale leaves, leaf spines, succulent leaves, and leaf tendrils, floating leaves, storage leaves, colourful leaves, bladder leaves, adhesive hair leaves and vegetative propagation. Use the photographs below to identify such special leaves and state one function to the plants. Write your answer to the sides of the photograph.





*Set and ended by Professor Gideon
Alexander, wishing you success and happy
life*