

WANYANGE GIRLS SECONDARY SCHOOL

BIOLOGY DEPARTMENT

**PRACTICAL WORK FOR S.4 CLASS**

**16/04/2020**

***REF: Ó'LEVEL BIOLOGY PRACTICAL GUIDE BY BIOLOGY  
DEPARTMENT OF WANYANGE GIRLS SCHOOL (REVISED EDITION)  
PAGES 52-88***

Obtain the following specimens and use them to answer the following questions;

<b>S/No.</b>	<b>SPECIMEN</b>	<b>REPRESENTING LETTER</b>
1.	An Onion	A
2.	An Irish potato with sprouting buds	B
3.	Ginger	C
4.	Carrot	D
5.	Hibiscus/ bean flower/sweet potato flower	E
6.	Tomato fruit	F
7.	Avocado fruit	G
8.	Young mango fruit	H
9.	Soaked Bean seed	I

**Questions**

1. Giving two reasons in each case, identify specimens A-I
2. State the functions of A,B, E, and I
3. Give the adaptations of A, B, E to their functions
4. State the observable differences between;
  - a) A and C
  - b) G and F
  - c) B and D
5. Cut transverse sections of F, G and H and;
  - a) State the placentation in each case
  - b) State the similarities between F and H
6. Draw, label and state the magnification of ;
  - a) The transverse sections of F, G and H
  - b) Longitudinal sections of D, E, and I
  - c) Structures of B, and C
7. Describe specimen E.