HEIGHTS SECONDARY SCHOOL-THIKA  
MID-TERM EXAMINATION 2017  
FORM TWO BIOLOGY

1. **Name the plant tissues that  
   (a) transport water and mineral salt (1mk)  
     
     
   (b) transport manufactured food (2mks)**
2. **State two primary functions of roots (2mks)**
3. **State 3 adaption of root hair to its function (3mks)**
4. **Name three patterns used for strengthening the wall of xylem vessel (3mks)**
5. **(a) define the term transportation (2mks)  
     
     
     
   (b) name three types of transportation (3mks)  
     
     
     
     
   (c) describe how five environmental factors increase the rate of transportation (10mks)  
     
     
     
     
     
     
     
   (d) name the three factors that push water up the stem from the root (3mks)**
6. **Name two types of circulatory system (2mks)**
7. **What is the name of   
   (a) heart muscles (1mk)  
     
     
   (b) two membranes surrounding the heart (1mk)  
     
     
     
   (c) the blood vessel that supplies blood with nutrients and oxygen (1mk)  
     
     
   (d) the wall that separate the right and left part of the heart (1mk)**
8. **What the function of the pericardium fluid (2mks)**
9. **The following is the dental formula of a certain mammal.  
     
   I 0/3, C 0/1, PM 3/3, M 3/3  
   (a) Calculate the total number of teeth (2mks)  
     
     
     
   (b) name two dental diseases (2mks)  
     
     
     
   (c) name one salivary gland in human being (1mk)  
     
     
   (d) state two functions of saliva (2mks)  
      
     
     
   (e) state four ways in which the human small intestine is adapted to its function (4mks)**
10. **Write down two properties of monosaccharide’s (2mks)**
11. **Name three forms of polysaccharides (3mks)**
12. **(a) what are enzymes (2mks)  
      
      
    (b) state three properties of enzymes (3mks)**
13. **Name three heterotrophic modes of nutrition (3mks)**
14. **Draw a well labeled diagram of a dicotyledonous stem (5mks)**
15. **State the differences between phloem and xylem (3mks)**
16. **Give two main functions of roots (2mks)**