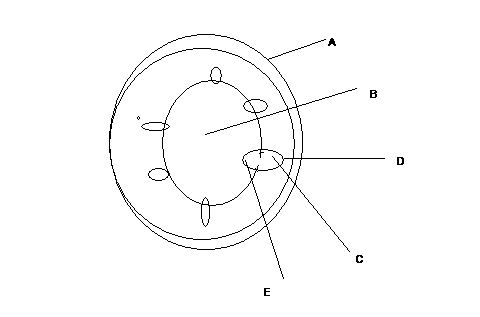
**GATITU MIXED SECONDARY SCHOOL**

**BIOLOGY FORM 2 MID EXAM TERM 2 2014**

1. State any three functions of the mucus which is secreted along the wall of the alimentary canal. 3mks
2. Explain why the digestion of starch stops immediately after food enters the stomach. 3mks



1. Name the parts labeled A and B 2mks
2. State the functions of parts labeled C, D and E. 4mks
3. List three differences between the section shown above and that one that would be obtained from the root of the same plant. 3mks
4. Name the:
5. Material that strengthens xylem tissue. 1mk
6. Tissue that is removed when the bark of a dicotyledonous plant is ringed. 1mk
7. What is wilting? 1mk
8. State how the following specialized cells are adapted to perform their functions. 4mks
9. Nerve cell
10. palisade cell
11. Root hair cell
12. Red blood cell
13. Outline the differences between light and electric microscope. 3mks
14. Name two mineral elements that are necessary in the synthesis of chlorophyll. 2mks
15. State three functions of hydrochloric acid in the digestion in stomach. 3mks
16. Give an example of a phylum where all members have: 2mks
17. Open circulatory system
18. Closed circulatory system
19. What are the advantages of the closed circulatory system over the open circulatory system? 5mks
20. Discuss the three theories of opening and closing of stomata. 9mks
21. State the functions of the following parts of a 5mks
22. microscope
23. Diaphragm
24. Objective lenses
25. coarse adjustment knob
26. Arm