**GATITU MIXED SECONDARY SCHOOL**

**FORM 1 BIOLOGY CAT 3 TERM 3 2013**

1. What is cell physiology? 2mks
2. State the 3 properties of cell membrane 3mks
3. Define the following terms as used in the study of cell physiology
4. Concentration gradient 2mks
5. Turgor pressure 2mks
6. wall pressure 2mks
7. Hypertonic solution 2mks
8. Hypertonic solution 2mks
9. Isotonic solution 2mks
10. A plant cell doesn’t lose its shape even after it has lost water completely by osmosis. Give an explanation for this. 2mks
11. When would a red blood cell
12. Get haemolysed? 1mk
13. Get arenated? 1mk
14. Name 3 factors that influence the rate of both osmosis and diffusion. 3mks
15. Explain the following terms 6mks
16. diffusion
17. osmosis
18. active transport
19. How would you make a flaccid cell turgid? 2mks
20. What does visking tubing correspond to in a living organism? 1mk
21. List 4 roles of diffusion 4mks
22. List 3 roles of active transport. 3mks