GATITU MIXED SECONDARY SCHOOL

BIOLOGY FORM 3

MIDTERM EXAM 2015

1. Explain the following terms
2. Nutrition 1mk
3. Excretion 1mk
4. Highlight the function of each of he following apparatus.
5. Pair of forceps 2mks
6. A sweep net 2mks

1. Name two external features in plants 2mks
2. What is classification 2mks
3. Define the term species. 2mks
4. State the function of each of the following
5. Diaphragm 2mks
6. Fine adjustment knob 2mks
7. If the eye piece lens is X 40. Calculate the total magnification. 2mks
8. Give functions to the following organelles
9. Chloroplast 2mks
10. Ribosomes 2mks
11. Highlight three differences between plant and animal cells. 3mks
12. State any four roles of osmosis in organisms. 4mks
13. Give a brief description of any three adaptations of the leaf to its photosynthetic function.. 6MKS
14. state the sites where the following processes of photosynthesis occur.
15. Light stage 1mk
16. Dark stage 1mk
17. Give a description of any two factors that affect the rate of photosynthesis. 4mks
18. State two properties of mono saccharides. 2mks
19. Give any primary functions of the roots. 2mks
20. State the tissues within the cortex of a young dicotyledonous stem 3mks
21. Give a brief description of the forces in volved in the transportation of water and mineral salts. 8mks
22. Differentiate between open and closed circulatory system. 2mks
23. Give two reasons for the high pressure in the closed circulatory system. 2mks
24. Define blood transfusion. 2mks
25. What is the importance of gaseous exchange in the living organisms? 2mks
26. State any four factors affecting the rate of breathing in humans. 4mks
27. State any two main functions of mammalian skin. 2mks