**NAME..................................................................................ADM NO..................... CLASS...................**

**ELERAI MCK GIRLS’ SECONDARY SCHOOL**

**P. O. BOX 435**

**SULTAN HAMUD**

***Motto “Discipline and Hard Work for Excellence”***

**FORM III**

**COMPUTER STUDIES**

**CAT II**

**TERM II 2013**

**INSTRUCTION**

* *Answer* ***ALL*** *the questions in the spaces provided below each question*

1. Distinguish between on-line and real time data processing modes (2mks)
2. Define the following terms as used in programming
3. Programming (1mk)
4. Algorithm (1mk)
5. Object code (1mk)
6. Source code (1mk)
7. Differentiate between an interpreter and compiler (2mks)
8. State three advantages of high level languages over low level language (3mks)
9. Give any two examples of 3rd generation languages (2mk)
10. Outline the first three stages of program development in their respective order (3mks)
11. In what stage of the development does program documentation fall (1mk)
12. Explain why it is important to test a program before implementing it (1mk)
13. State any two factors you would consider when drawing a flowchart (2mks)
14. Using illustrations, explain at least two symbols used in flowchart design (4mks)
15. Draw a flowchart that would be used to classify animals according to sex. If a letter M is input the program should display ‘Male’ otherwise it should display ‘Female’ (6mks)
16. State three types of control structures used in programming (3mks)
17. List any two selection controls used in writing a program (2mks)
18. Draw a flowchart showing the general flow of REPEAT ... UNTIL loop (3mks)
19. Write the following on full (2mks)
20. HTML
21. OOP