

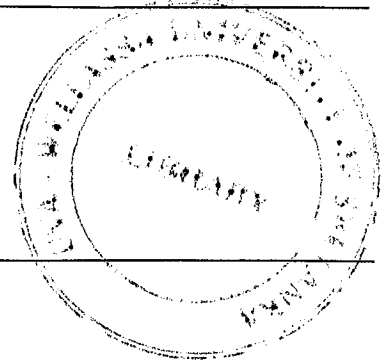
**Instructions to candidates**

Duration: One (01) hour

Number of questions: Two (02) essay questions

Answer all questions

Mark allocation: 100



1.

- a. Briefly explain what is a computer programme. (10 mark)
- b. List two (02) characteristics of an effective programme and briefly explain each of them. (10 mark)
- c. List six (06) steps of problem solving. (12 mark)
- d. Name three (03) types of problems that can be solved by a computer. (06 mark)
- e. Name four (04) commonly used data types and briefly explain them. (12 mark)

2.

- a. List five (05) reasons as to why naming conventions related in programming should be followed. (10 mark)
- b. Name five (05) types of functions. (10 mark)
- c. Draw a problem analysis chart for a payroll problem. Use the following data in order to draw the chart.  
Pay roll problem  
GrossPay = Hours \* PayRate (10 mark)
- d. List five (05) phases of a software development life cycle. (10 mark)
- e. Design an algorithm and the corresponding flowchart to add the following test scores.  
26, 49, 98, 87, 62, 75 (10 mark)