

SCHOOL: SIANTOU UNIVERSITY INSTITUTE

NAME: AWUNGACHA CLETUS AJUBESSE

DEPARTMENT: Introduction to software engineering

MATRICULE: ET20210557

Course outline: EDM1142

Lab:1

LEVEL: one

Date: Monday the 1<sup>st</sup> November 2021.

## THE ANSWER TO LAD

- 1) Many systems have components that are (or can be) implemented either wholly or in part in software - the decisions as to what is and is not will be made as part of the systems engineering process. Anything that is chosen to be

implemented in software would then be subject to the good practices associated with software engineering.

There are probably some who would say that the systems engineering stops when the implementation starts - I would not hold to that point of view and so I certainly would see software engineering - and hardware engineering and mechanical engineering and..... and so on as in that respect “part” of the systems engineering process

Answer 2) Software crisis is a term used in the early days of computing science for the difficulty of writing useful and efficient computer programs in the required time. The software crisis was due to the rapid increases in computer power and the complexity of the problems that could now be tackled. With the increase in the complexity of the software, many software problems arose because existing methods were inadequate.

Answers 3) Software engineers shall commit themselves to

making the analysis, specification, design, development, testing and maintenance of software a beneficial and respected profession

. ... PRODUCT – Software engineers shall ensure that their products and related modifications meet the highest professional standards possible.

Answers 4) component base software engineering allows faster delivery.

Explanation, due to using previously fasted components they produce reliable system at a faster rate.

