

# ANALYSIS

Do you comment on

- system outputs, inputs and processes
- performance criteria for the whole system
- Analysis of sub tasks and problems as stated in general terms by the end user.
- The Reusability and linkage between sub problems
- Reusability: what happens next week, next year, what about new data, redundant data?
- You should always consider the user and not yourself.

# DESIGN

- Refer back at all times to the analysis
- Consider linkage/reusability and data flow, explaining how they will be designed into the solution
- Consider alternative ways of solution – best solution is chosen with reasons for choice (manual, computer, etc.) linked to Perf. Crit.
- You should indicate what is being tested and why
- Create comprehensive test plans including erroneous and extreme data sets, together with relevant validation testing.

## IMPLEMENTATION

- Comment on how the build initially follows the design and why any developments to the design were made
- Comment on linkage/reusability aspects
- Clear referencing to the design and referencing to the tests
- For higher marks the final system must show efficient and complex use of the software features

## TESTING

- Plans should be followed from the design stage
- Tests should be fully cross-referenced to the implementation stage with modifications carried out and annotated as appropriate
- Should be more than just a check of the generic software validation routines; specific testing relating to problem being undertaken
- To reach the top marks, you are required to produce a comprehensive test plan with test data not only in the expected range but also include extreme and erroneous data

## **USER GUIDE**

- Should refer to the reusability of the system
- Better Guides will employ formatting – e.g. table of contents, index, footnotes, etc.
- Guides will use screen shots etc. to provide evidence to support the user
- Could generate modification of the implementation even at this late stage

## **EVALUATION**

- Evaluation of the project should relate to its holistic nature rather just than be a discussion of individual tasks / Perf. Crit. Further Enhancements could be discussed.