

HONG KONG INSTITUTE OF VOCATIONAL EDUCATION

Laboratory 5: System Construction and Maintenance Activities

Module Intended Learning Outcome:

On completion of the module, students are expected to be able to:

- Apply System Construction and Maintenance Activities in development projects for business-oriented software applications.

TASK:

1. What is a Migration Plan?
2. What are the two 'conversion style' options for switching from the old system to the new system? What are the advantages and disadvantages of each?
3. There are three conversion locations – what are they and give some advantages to each.
4. What are the two basic strategies to motivate users to adopt a new system?
5. State three key post-implementation activities.
6. Compare and contrast the terms: test, test plan, and test cases.
7. Explain the distinction between unit testing and integration testing.
8. Compare and contrast alpha testing and beta testing in acceptance testing.
9. Compare and contrast direct conversion and parallel conversion.

10. Briefly describe the following conversion strategies:
 - a. Direct Conversion;
 - b. Parallel Conversion;
 - c. Pilot Conversion.

11. Briefly explain the considerations you would take into account when choosing a conversion strategy.