

COMPUTER AND INFORMATION TECHNOLOGY

INTRODUCTION

The assessment of this subject is based on the Computer and Information Technology (S4-5) Curriculum and Assessment Guide jointly prepared by the Curriculum Development Council and the Hong Kong Examinations and Assessment Authority. Candidates have to refer to the sections on 'Curriculum Framework' and 'Expected Learning Outcomes' in this Guide for the knowledge, understanding, skills and attitudes they are required to demonstrate in the assessment.

ASSESSMENT OBJECTIVES

The objectives of this assessment are to evaluate the candidates' ability to

1. understand what information processing is and how the common application software can be used as information processing tools to process and present information efficiently and effectively;
2. understand how the different components of a simple computer system work together to perform tasks, as well as how and why computers are connected together to form computer networks;
3. understand the use and development of the Internet and the World Wide Web (WWW) and use them efficiently and effectively;
4. understand basic concepts related to computer programming, solve problems in a systematic way, and understand and apply some of the skills and methods involved;
5. understand some of the issues brought forth by the advancement in computer and information technology and act accordingly; and
6. have an in-depth study of one or more of the following elective areas and apply their understanding to solve problems:
 - algorithm and programming
 - organisation of computer
 - data communications and networking
 - multimedia production and web authoring

MODE OF ASSESSMENT

1. The assessment will consist of two written papers and an individual coursework assignment. The allocation of marks and the duration are as follows:

Paper 1 (core module)	60%	2 hours
Paper 2 (elective module)	20%	1 hour
Paper 3 (coursework)	20%	

2. Candidates are required to choose one of the following elective modules:
 - Algorithm and Programming
 - Organisation of Computer
 - Data Communications and Networking
 - Multimedia Production and Web Authoring
3. Paper 1 consists of two sections, A and B. Section A will consist of multiple-choice questions, all of which are to be attempted. Section B will consist of 5 questions, all of which are to be attempted. Both sections will cover the syllabus in the core module.
4. Paper 2 consists of 4 questions, all of which are to be attempted. All questions will cover the syllabus in the elective modules that candidates choose.
5. Paper 3 is an individual coursework assignment. Candidates are required to choose an assignment from a list issued by the Hong Kong Examinations and Assessment Authority during the year before the examination according to their chosen elective module. They are required to produce a report which will demonstrate their ability to analyse a problem and so identify requirements, and to make appropriate use of knowledge in the elective module in providing solutions which they will design, implement, test and evaluate. The assignments will be assessed continuously and marked internally by school teachers, and the assessment will be moderated by the chief examiner.
6. In the elective module 'Algorithm and Programming', schools are allowed to choose their own programming language that meets the curriculum requirements and the C Language and the Pascal Language will be used in parallel in the written examination.