

Ministry of Education, Heritage & Arts

COMPUTER STUDIES YEAR 13 - WORKSHEET 3 - 2021

Instruction: Use your activity book to write the answers only.

Multiple Choice – Select the most appropriate answer for question 1 and 2. (2 marks)

1. An IT personnel who researches problem, plans solution, recommends software and systems, and coordinates development to meet business or other requirements is referred to as a
 - A. System Programmer
 - B. Computer operator
 - C. System Developer
 - D. System Analyst

2. Although the system life cycle is a time consuming procedure, most organization prefer to use this method for developing information system because it
 - A. has six phase
 - B. is a cheaper method
 - C. is a traditional method
 - D. has a lower risk of failure

Short Answer Questions

- (a) The preliminary investigation phase of the SAD is concerned with 3 tasks. The first task is to define the problem.
 - (i) Explain how the first task is accomplished. **(2 marks)**
 - (ii) List the remaining 2 task of the preliminary investigation phase. **(2 marks)**

- (b) Due to time constraints, every phase of the systems life cycle cannot be followed. Describe **two** alternative approaches to the system development life cycle. **(2 marks)**

- (c) List and discuss the **two** steps involve in the maintenance phase of the systems life cycle? **(2 marks)**

- (d) Describe **two** tools which assist a system analyst in the analysis phase of the systems analysis and design. **(2 marks)**

- (e) In phase 3 of system analysis and design, system designer evaluate each alternative system for feasibility. List and describe the three feasibility study done in phase 3. **(3 marks)**

Essay Question

Write an essay of approximate 200 words. (10 marks)

You have been appointed as the system analyst at the Ministry of Education. Your fist task is to design a computerized database that will keep the records of all students who will be sitting Fiji Year 13 Certificate Examination.

Explain how you will proceed with the assigned task in the **first three phases** of the **System life Cycle**. Provide examples and diagrams where necessary to clarify your points.