Ministry of Education, Heritage & Arts

COMPUTER STUDIES YEAR 13 - WORKSHEET 4 - 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. The function of the transaction processing system is to

    A. prepare unstructured reports
    B. analyze unanticipated situations
    C. keep track of routine operations
    D. provide a flexible tool for analysis

2. The role of the research department is to

    A. design and develop new products
    B. keep track of all financial activities
    C. turn out finished goods and services
    D. handle planning and pricing of goods

Short Answer Questions

(a)   Prototyping Application Development (RAD) are two alternatives to the SAD approach.
        Differentiate between prototyping and RAD. **(2 marks)**

(b)   Phase 5 of SAD involves 4 approaches. List the 4 approaches and explain which approach is
        the most risky. **(2 marks)**

(c)   The first task in Phase one of SAD is defining the problem. Briefly explain
        how this task is carried out. **(2 marks)**

(d)   Some companies prefer to write their own application or custom design their software
        rather than buying off the self packaged software. Give one reason why a company
        would choose custom designed software. **(2 marks)**

Essay Question

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

Systems Analysis and Design in a six phase problem solving procedures used for examining and improving an information system. In phase five, which is the implementation phase, the new information system is installed and people are trained to use it.

Discuss the **four** approaches to system implementation, clearly stating **one** advantage and **one** disadvantage of each.