

This question paper consists of **ONE (1)** section. Answer **ALL** questions in the answer booklet provided. **[100 MARKS]**

Question 1 **(25 Marks)**

The Software Development Cycle consists of Planning, Analysis, Design, Implementation, Testing & Integration and Maintenance. Many organizations are adopting this Cycle to complete their software development projects.

- a) Give **ONE (1)** example of a software development project and write an Executive Summary of the project. (5 marks)

- b) Using your answer in 1(a) above, explain how all the phases in a Software Development Cycle can ensure the success of your chosen project. (20 marks)

Question 2 **(25 Marks)**

In a software development project, it is critically important to know what the key **RISKS** are. Identifying the risks are very important.

- a) List **THREE (3)** common risks that exist in many software development projects. (3 marks)

- b) Based on your answers in question 2(a), explain how these risks can affect your chosen project that you have given in question 1(a). (22 marks)

Question 3 **(25 Marks)**

In a Software Development Project, there is one important aspect which is called the **Project Evaluation**. There are three types of evaluations namely: Pre-project Evaluation, Ongoing Evaluation and Post-project Evaluation.

- a) Explain what is "Pre-project Evaluation" and "Post-project Evaluation" -and give suitable examples for each type. (10 marks)

- b) In an Ongoing Evaluation, it is crucial to monitor and evaluate the project while in progress to ensure it will meet its objectives. Explain how does this assesses the **economic, environmental** and **social** impacts of a project; and provide one example for each. (15 marks)

Question 4

(25 Marks)

Some traditional "Project Management Approach" are Waterfall Approach, Critical Path Method and Critical Chain Project Management.

- a) Explain what you understand on all the three traditional "Project Management Approach" above. (15 marks)

- b) Sketch a simple Waterfall approach to explain how a software management project can be successfully completed. (10 marks)


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