



UNIVERSITY COLLEGE TATI (UC TATI)

FINAL EXAMINATION QUESTION BOOKLET

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| COURSE CODE | : DCT 2143 |
| COURSE | : PROJECT MANAGEMENT |
| SEMESTER/SESSION | : 1- 2024/2025 |
| DURATION | : 3 HOURS |

Instructions:

1. This booklet contains 5 questions. Answer **ALL** questions.
2. All answers should be written in answer booklet.
3. Write legibly and draw sketches wherever required.
4. If in doubt, raise your hands and ask the invigilator.

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO

THIS BOOKLET CONTAINS 4 PRINTED PAGES INCLUDING COVER PAGE

QUESTION 1

You have been appointed as the project manager for organizing a national conference on sustainable energy. The conference will host industry experts, government officials, and researchers to discuss advancements in renewable energy. Your responsibilities include selecting a venue, coordinating with speakers, managing registrations, and ensuring the event runs smoothly. The conference is scheduled to take place over three days, six months from now.

- a) Define project management. (2 Marks)
- b) Describe **FOUR (4)** project management principals. (8 Marks)
- c) Outline the main objective of the national conference on sustainable energy that you are organizing. (3 Marks)
- d) List **FOUR (4)** challenges might arise in selecting a venue for the conference. (4 Marks)

QUESTION 2

You are the project manager of a new software development project for a retail company. The project involves integrating a new inventory management system with the existing point-of-sale (POS) system. The integration aims to streamline operations and improve real-time tracking of inventory levels. Your team includes software developers, system analysts, and quality assurance testers. The project has a tight deadline and a fixed budget, requiring close coordination and effective communication among all team members.

- a) Define project integration management. (5 Marks)
- b) Give **FOUR (4)** steps of project plan development. (4 Marks)
- c) State **TWO (2)** reason the important to have effective communication among team members in project integration. (2 Marks)
- d) Explain **THREE (3)** challenges you might face during the integration of the new inventory management system with the existing POS system. (6 Marks)

QUESTION 3

A company, Tech Innovators, is launching a new software product designed to enhance data security for small businesses. The project involves multiple teams, including software development, marketing, and customer support. The project manager, Alex, must ensure that the project stays within the defined scope, meets deadlines, and satisfies client requirements.

- a) Explain **FOUR (4)** the importance of defining the project scope clearly at the beginning of a project like Tech Innovators' software launch. (8 Marks)
- b) Explain **THREE (3)** how effective communication and coordination among the software development, marketing, and customer support teams can contribute to the project's success. (6 Marks)
- c) Discuss **FOUR (4)** potential risks of not managing the project scope effectively in Tech Innovators' scenario. (8 Marks)
- d) List **SIX (6)** how can a Work Breakdown Structure (WBS) assist in managing the project scope for Tech Innovators' project. (6 Marks)
- e) State **THREE (3)** role of quality assurance in this project can help Alex meet client requirements and ensure satisfaction. (3 Marks)

QUESTION 4

A team of four members is working on a project to develop a mobile app. The project deadline is in four weeks. They need to create a timeline, assign tasks, track progress, and ensure the project is completed on time.

- a) Explain **FOUR (4)** important creating timeline in the project. (8 Marks)
- b) Identify **TWO (2)** tools the team might use to create their project timeline. (2 Marks)
- c) Explain **TWO (2)** reasons the teams are falling behind their schedule. (4 Marks)
- d) List **THREE (3)** regular meetings that will helps in project time management. (3 Marks)

QUESTION 5

You are managing a project to develop a new software application for a local business. The application must meet specific customer requirements, including ease of use, fast performance, and data security. To ensure these standards are met, you implement a quality management process involving regular team meetings, testing phases, and feedback sessions with the customer.

- a) Explain **TWO (2)** reasons how regular team meetings help in maintaining software quality. (4 Marks)
- b) List **FIVE (5)** steps the importance of testing phases in software development. (5 Marks)
- c) Explain **TWO (2)** customer feedback contributes to the quality management process. (4 Marks)
- d) Identify **FIVE (5)** essential features required for the software based on the scenario. (5 Marks)

-----End of questions-----