



Bait-ul-Irfan University, Islamabad Campus
Department of Computer Science
Final Term Examination
Class & Section: BS (IT)-5A & 5B Morning
(Fall 2023 Semester)
Paper Type: Descriptive

Course:	IT Project Management	Date: 14 /Jan/2024
Course Code:	ITC-311	Session: I
Faculty's Name:	Ms. Aameena Saeed	Max Marks: 50
Time Allowed:	2.5 Hours	Total Pages: (2)

INSTRUCTIONS:

1. This is closed book exam. Communication devices and any written material is strictly prohibited.
2. There are total FIVE questions in this paper.
3. Exam is closed book
4. All questions are compulsory.

Student's Name: _____ Enroll No: _____
(USE CAPITAL LETTERS)

Question # 1 (10 Marks)

You are the project manager for the development of a new e-commerce platform for a growing online retail company. The project involves various stages, including market research, requirements analysis, design, development, testing, and deployment. Your task is to create a detailed project plan, complete with a Gantt chart, to illustrate the project timeline, highlight key milestones, and manage critical tasks. Consider factors such as payment gateway integration, user experience design, mobile responsiveness, and security measures to ensure the successful launch of the e-commerce platform within the specified timeframe. (CLO-3, BT= Application)

Question # 2 (10 Marks)

Consider a project for implementing an E-commerce Platform. The project involves the following tasks with their respective durations:

- Task A: Market Research (4 days)
- Task B: Platform Architecture Design (6 days)
- Task C: Frontend Development (5 days)
- Task D: Backend Development (7 days)
- Task E: Database Setup (3 days)
- Task F: Integration Testing (4 days)

Create a Critical Path Method (CPM), determine the critical path and calculate the total duration of the project. (CLO-4, BT= Synthesis)

Question # 3 (10 Marks)

What is the main difference between "Start-to-Start" and "Start-to-Finish" relationships in project management, and provide an example scenario where each type of relationship might be appropriately used? (CLO-2, BT= Application)

Question # 4 (10 Marks)

Explain the concepts of leads and lags in the context of activity relationships in project management. Provide real-world examples illustrating the use of leads and lags in project scheduling. (CLO-3, BT= Application)

Question # 5 (10 Marks)

An international e-commerce company embarked on a comprehensive digital transformation project to upgrade its online platform and integrate advanced analytics capabilities. The project included collaboration among internal IT teams, external vendors, marketing departments, and user experience specialists. Discuss the following: (CLO-3, BT= Comprehension)

1. Challenges
2. Strategies Employed
3. Positive Outcomes

Best of Luck
