

Reg. No. :

--	--	--	--	--	--	--	--	--	--

Question Paper Code: 97C04

B.E./B.Tech. DEGREE EXAMINATION, NOV 2023

Seventh Semester

Computer Science and Business Systems

19UCB704 IT PROJECT MANAGEMENT

(Regulations 2019)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 2 = 20 Marks)

1. How does the Waterfall methodology differ from Agile in IT Project Management? CO1-U
2. Compare and contrast the roles of a project manager and a project sponsor during the project initiation phase CO1-U
3. Why is communication important in IT Project Management? CO1-U
4. How do defined activities contribute to creating a structured project plan in IT project management? CO1-U
5. How does CPM differ from PERT in terms of time estimates? CO1-U
6. How does the accuracy of cost estimation change as a project progresses through its lifecycle? CO1-U
7. How does risk management continue to play a role in the project execution phase? CO1-U
8. How can technology and project management software assist in effective task distribution? CO1-U
9. How does project controlling differ from project monitoring? CO1-U
10. Why is formal project closure documentation essential for project stakeholders? CO1-U

PART – B (5 x 16= 80 Marks)

11. (a) You have been assigned as the project manager for a software development project that aims to create a new customer relationship management (CRM) system for a client. Describe the key activities you would undertake during the project initiation phase to ensure a solid foundation for the project. Discuss how you would identify stakeholders, define project objectives, establish high-level scope, and set the project's initial constraints

Or

- (b) You are a project manager for a healthcare IT project that involves implementing a new electronic health record system in a hospital. The medical staff has strong opinions about the system's usability. How would you gather their feedback and involve them as stakeholders in the decision-making process?

12. (a) You are managing a construction project to build a new bridge. The project schedule is tight, and you need to estimate the duration of the critical path activities accurately. However, you're concerned about potential weather-related delays due to the project's location. How would you plan the activity durations while considering the risk of adverse weather conditions?

Or

- (b) You are leading a project to develop a mobile app for a healthcare provider. How would you approach the project planning phase to ensure the app is developed and launched successfully? Describe your strategy for defining project scope, managing stakeholder expectations, allocating resources, creating a development schedule, and addressing potential challenges

13. (a) Your project team is facing resource constraints during the execution phase, with team members juggling multiple projects. How would you allocate and manage resources effectively to ensure your IT project's success?

Or

- (b) Your IT project involves developing a mobile app, and the quality assurance team identifies a significant number of bugs during testing in the execution phase. How would you prioritize and address these issues to deliver a high-quality product on schedule? CO2- App (16)
14. (a) You are overseeing a cyber-security project in an organization. A critical security vulnerability is discovered during the execution phase that requires immediate attention. How would you prioritize and address this issue to protect the organization's data and assets? CO2- App (16)
- Or
- (b) You are the project manager for a software development project, and the project is in the execution phase. One of your key developers has unexpectedly resigned. How would you handle this situation to ensure the project continues as planned? CO2- App (16)
15. (a) You are managing an event planning project for a client. The event has been successfully executed, and it's time to close the project. What are the key activities you need to perform to ensure a smooth project closure for both your team and the client? CO2- App (16)
- Or
- (b) Your team is working on a product development project, and you realize that you are falling behind the planned schedule. Describe the steps you would take to address this schedule deviation and get the project back on track. CO2- AP (16)

