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Question Paper Code: 97C04

B.E./B.Tech. DEGREE EXAMINATION, APRIL 2024

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. What is a scoring matrix, and how is it used to evaluate options or criteria in IT project management? CO1-U
2. What is the purpose of defining activities and milestones in IT project management? CO1-U
3. List two key documents that are typically developed during the project planning phase. CO1-U
4. What is the purpose of a Gantt chart in project planning? CO1-U
5. Why is it important to consider both direct and indirect costs in project cost estimation? CO1-U
6. What does PERT stand for, and what is its primary purpose in project management? CO1-U
7. How can technology and project management software assist in effective task distribution? CO1-U
8. What is meant by "task dependencies," and how do they influence task distribution? CO1-U
9. What is the significance of the project closing phase in the project life cycle? CO1-U
10. Why is formal project closure documentation essential for project stakeholders? CO1-U

PART – B (5 x 16= 80 Marks)

11. (a) Your company has decided to migrate a portion of its IT infrastructure to a cloud-based environment. Detail the steps you would take during the project initiation phase to ensure the successful initiation of the cloud migration project. Discuss how you would determine the project's scope, select relevant stakeholders, conduct a high-level cost-benefit analysis, and outline the project's initial timeline. CO2- App (16)

Or

- (b) Imagine you are the project manager for a complex IT project. Describe the process you would follow during the initiation phase to identify stakeholders, assess project feasibility, and define the project scope. How would you prioritize and justify the project's value proposition to senior management? CO2- App (16)

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? CO2- AP (16)

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 CO2- App (16)

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? CO2- AP (16)

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) 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)

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)

