



POORNIMA UNIVERSITY, JAIPUR
END SEMESTER EXAMINATION, 2023-2024 EVEN SEMESTER

Write Roll No Below:

BCA (All) - IV Sem (Main/Back) End Semester Examination
BCAECA4112: Software Project Management

Time: 3 Hours

Total Marks: 60

Min. Passing Marks: 21/24/27

Question Paper ID: 001289

Instructions: Attempt all five questions. There is an internal choice either (a or b) in Q1 to Q5. Marks of each question or its parts are indicated against each question/part. Draw neat sketches wherever necessary to illustrate the answer. Assume missing data suitably (if any) and clearly indicate the same in the answer.

Bloom Level(BL): 1-Remembering, 2-Understanding, 3-Applying, 4-Analysing, 5-Evaluating, 6-Creating

Use of following supporting material is permitted during examination for this subject:

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|----------------|--|--------------|-----------|-----------|
| Q1. (a) | (i) Explain Software Project and its types of projects activities. (6 Marks) | Marks | BL | CO |
| | (ii) Describe Project management cycle with the help of diagram. (6 Marks) | 12 | 1 | 1 |
| | (OR) | | | |
| (b) | (i) Give the categorization of SPs in detail. (6 Marks) | | | |
| | (ii) What are the different project plans? Explain. (6 Marks) | | | |
| Q2. (a) | (i) Differentiate between strategic assessment and technical assessment. (6 Marks) | Marks | BL | CO |
| | (ii) Describe the concept of Present Worth (PW) analysis in economic evaluation. (6 Marks) | 12 | 1 | 2 |
| | (OR) | | | |
| (b) | (i) Define Internal Rate of Return (IRR) and its significance in project evaluation. (6 Marks) | | | |
| | (ii) Explain the concept of Annual Worth (AW) analysis in economic evaluation. Discuss how AW represents the equivalent annual cost or benefit of a project over its lifecycle. (6 Marks) | | | |
| Q3. (a) | (i) Discuss the primary objectives of activity planning in project management. (6 Marks) | Marks | BL | CO |
| | (ii) Explain the concept of a Work Breakdown Structure (WBS) and its significance in project management. (6 Marks) | 12 | 1 | 3 |
| | (OR) | | | |
| (b) | (i) Explain the Program Evaluation and Review Technique (PERT) and its role in project management. How does PERT differ from CPM? (6 Marks) | | | |
| | (ii) Discuss strategies for shortening project duration while minimizing cost and resource constraints. (6 Marks) | | | |
| Q4. (a) | (i) Provide examples of common risks encountered in project management and strategies for effective risk identification. (6 Marks) | Marks | BL | CO |
| | (ii) Define Z-values and their significance in evaluating risk to project schedules. How are Z-values calculated and interpreted in project management? (6 Marks) | 12 | 1 | 4 |
| | (OR) | | | |
| (b) | (i) Discuss the process of identifying resource requirements for project execution. (6 Marks) | | | |
| | (ii) Describe the importance of collecting data and monitoring project progress in project management. (6 Marks) | | | |
| Q5. (a) | (i) Discuss the different types of contracts commonly used in project management. (6 Marks) | Marks | BL | CO |
| | (ii) Outline the stages involved in the placement of a contract in project management. (6 Marks) | 12 | 1 | 5 |
| | (OR) | | | |
| (b) | (i) Explain the importance of contract management in project execution. What are the key elements of effective contract management? (6 Marks) | | | |
| | (ii) Define the importance of managing people and organizing terms in project management. (6 Marks) | | | |

*****End of Question Paper*****