



**MBA DEGREE EXAMINATIONS: APRIL/MAY 2024**

(Regulation 2022)

Second Semester

**MBA – PROJECT MANAGEMENT**

P22MPB2114: Cost Management in Project

**COURSE OUTCOMES**

- CO1: Demonstrate an understanding of cost management process namely plan cost management, cost estimation, cost budgeting, and cost control.
- CO2: Build cost management plan, apply cost estimation techniques, and establish cost baseline.
- CO3: Display ability to analyse the performance of the project through techniques of cost control.
- CO4: Display ability to analyse the importance of cash flow and manage the change.
- CO5: Display ability to appraise the integration of cost and value in the projects.

**Time: Three Hours**

**Maximum Marks: 100**

**PART A (5Q x 4 Marks = 20 Marks) Answer All Questions**

- 1. What is Cost Trend Analysis (CTA)? CO1 [K<sub>1</sub>]
- 2. Explain the purpose of Earned Value Management in Project Cost Management? CO1 [K<sub>2</sub>]
- 3. Explain the 4 major process elements in the Cost Management Knowledge Area. CO1 [K<sub>2</sub>]
- 4. What is a Project Discovery? CO1 [K<sub>1</sub>]
- 5. What are the 5 major cost categories used in the Project Cost Plan? CO2 [K<sub>1</sub>]

**PART B (3Q x 20 Marks = 60 Marks) Answer Any Three Questions Only**

- 6. Propose various process steps with details and an example that you will follow in Customer Value Management CO5 [K<sub>6</sub>]
- 7. Explain the process steps on creating a SOW and to Estimate the Project Cost with details that helps the business to create Ballpark and Budget estimates CO3 [K<sub>5</sub>]
- 8. Propose various process steps with details and an example that will help you better determine how much time you spend on project and account management, allowing you to estimate the cost of future projects more accurately. CO4 [K<sub>6</sub>]

9. Explain the Plan Cost Management is a process in project management that defines how the project costs will be estimated, budgeted, managed, monitored, and controlled CO2 [K<sub>5</sub>]

10. Explain the purpose of the Cost Sheet with details that helps with number of essential business processes by giving an example. CO4 [K<sub>5</sub>]

**Part – C (1Q x 20 Mark = 20 marks)**

11. Black & White Tech Co., has taken up a new project to develop a strategic mission critical application using Web Technology. Accordingly following are the requirements. CO3 [K<sub>6</sub>]

1. 4000 Web pages to be developed
2. Assume that every web page takes the same time to complete
3. Each web page is unique user story of equal priority in the prioritized backlog.
4. Estimated cost of completing the project is \$400,000.
5. Time limit for the project is 12 months.
6. After 6 months \$300,000 has been spent and the work completed is only 1000 web pages.

Create a detailed project dashboard highlighting below project costing details using Earned Value (EV) Cost analysis methodology

- a) Schedule Variance
- b) Cost variance
- c) Schedule performance Index
- d) Cost performance Index
- e) Project percentage completion
- f) Create a S-Curve Graphical data representation plot above details and write inferences.
- g) Estimated Revised project completion date

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