



- c) Assertion is true, but Reason is false.      d) Assertion is false, but Reason is true.

4. Match the labor type with its corresponding characteristic:

CO3 [K<sub>2</sub>]

List I	List II
A. Skilled labor	i. General tasks with minimal training
B. Semi-skilled labor	ii. Advanced education and specialized skills
C. Unskilled labor	iii. Limited training required
D. Professional labor	iv. Specific expertise and training

- a) A-iv, B-iii, C-i, D-ii      b) A-i, B-iii, C-ii, D-iv  
 c) A-iii, B-iv, C-ii, D-i      d) A-i, B-ii, C-iv, D-iii

5. **Assertion:** Optimistic choice is a key criterion in equipment selection.

CO2 [K<sub>2</sub>]

**Reason:** It involves planning and selecting equipment based on cost, time, source, and handling.

- a) Both Assertion and Reason are true, and Reason is the correct explanation of Assertion.      b) Both Assertion and Reason are true, but Reason is not the correct explanation of Assertion.  
 c) Assertion is true, but Reason is false.      d) Assertion is false, but Reason is true.

6. When planning for equipment in a project, what should be considered in optimistic choice?

CO3 [K<sub>2</sub>]

- a) Highest Cost      b) Longest Delivery Time  
 c) Cheapest Option      d) Shortest Time

7. What is the technique used to determine the critical path in project scheduling?

CO4 [K<sub>1</sub>]

- a) Gantt Chart      b) PERT Analysis  
 c) Resource Loading      d) Work Breakdown Structure

8. Match the cost management activity with its purpose:

CO4 [K<sub>2</sub>]

List I	List II
A. Monitoring and adjusting expenses	i. Control project expenses
B. Reducing project scope	ii. Enhance project profitability
C. Increasing costs	iii. Eliminate financial constraints
D. Ignoring budget constraints	iv. Maximize project scope

- a) A-i, B-ii, C-iii, D-iv      b) A-iv, B-iii, C-i, D-ii  
 c) A-i, B-ii, C-iv, D-iii      d) A-iii, B-iv, C-ii, D-i

9. Evaluate the following statements about resource allocation in project management:

CO5 [K<sub>2</sub>]

**Statement 1:** Resource leveling involves balancing resource demands over time.

**Statement 2:** Resource smoothing is focused on adjusting resource assignments to avoid peaks.



26. List three benefits of using computer applications in resource allocation for project management, and explain how these applications contribute to project efficiency. 05 CO1 [K<sub>3</sub>]

**Answer any FOUR Questions**

**PART D (4 x 10 = 40 Marks)**

27. Create a comprehensive resource management plan for a hypothetical project, addressing identification, procurement, and utilization strategies, and justify your choices. 10 CO1 [K<sub>4</sub>]
28. Analyze the impact of globalization on labor management in multinational projects, considering cultural differences, legal constraints, and communication challenges, and propose strategies for effective cross-cultural labor management. 10 CO2 [K<sub>4</sub>]
29. Design a material and equipment management plan for a large-scale infrastructure project, addressing time of purchase, quantity, and sourcing considerations. 10 CO3 [K<sub>3</sub>]
30. Critically analyze the impact of scope changes on project schedules and costs, proposing change management strategies to minimize disruptions and maintain project efficiency 10 CO4 [K<sub>3</sub>]
31. Investigate the historical evolution of resource allocation methodologies in project management, from traditional approaches to modern computer-based applications, and analyze the impact of technological advancements on resource optimization. 10 CO5 [K<sub>4</sub>]

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