**Project Management for Engineers and Construction**

1. What is the primary objective of project management in engineering and construction?

- a) Maximizing project costs.

- b) Minimizing project timeline.

**- c) Delivering the project scope within the agreed time, budget, and quality standards.**

- d) Increasing project complexity.

2. Which project management methodology is often used in construction projects due to its structured approach?

- a) Agile.

- b) Scrum.

**- c) Waterfall.**

- d) Kanban.

3. In project management, what does a Gantt chart primarily help to illustrate?

- a) The financial expenditure of the project.

- b) The hierarchical structure of the project team.

**- c) The project schedule, showing task durations and overlaps**.

- d) The risks associated with the project.

4. What is a critical path in project management?

- a) The shortest path through the project network diagram.

**- b) The longest sequence of tasks that determines the minimum project duration.**

- c) A list of non-essential tasks that can be delayed.

- d) The path with the most resources allocated.

5. Which document in project management outlines the project's scope, objectives, and participants?

- a) Risk Management Plan.

**- b) Project Charter.**

- c) Project Schedule.

- d) Budget Plan.