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Continuing Education Course #640  
Turning Ideas into Engineering Projects

1. Which step officially turns an idea into a project?
  - a. Feasibility Study
  - b. Business Case
  - c. Project Charter
  - d. Stakeholder Approval
  
2. Which step comes FIRST when transforming an idea into a project?
  - a. Feasibility Study
  - b. Project Charter
  - c. Business Case
  - d. Project Plan
  
3. Which step comes LAST when transforming an idea into a project?
  - a. Feasibility Study
  - b. Project Charter
  - c. Business Case
  - d. Idea Generation
  
4. An innovation challenge can develop ideas for projects.
  - a. True
  - b. False
  
5. What does PMO stand for?
  - a. Portfolio Management Operations
  - b. Project Management Office
  - c. Program Management Office
  - d. Project Mission Operation
  
6. What is a Go/No-Go Checklist normally used for?
  - a. Decide if a project should be closed
  - b. Decide if project manager is qualified
  - c. Determine how to group projects into programs
  - d. Decide if a proposal or project should proceed
  
7. Which contains multiple projects and programs?
  - a. Component
  - b. Activity
  - c. Portfolio
  - d. Org chart

8. Projects are part of a value delivery system.
- a. True
  - b. False
9. Which defines an organization's goals?
- a. Roadmap
  - b. Initiatives
  - c. Ideas
  - d. Strategy
10. Which helps decide if a project should proceed?
- a. Project plan
  - b. Go/No-Go Form
  - c. Roadmap
  - d. Stakeholder register
11. For assessing a risk, which is more important?
- a. Likelihood
  - b. Impact
  - c. Status
  - d. Probability
12. Which section is common to both a business case and a project charter?
- a. Problem Statement
  - b. Options Analysis
  - c. Scope of Work
  - d. Financial Analysis
13. What does CIP stand for?
- a. Charter into Project
  - b. Constrained interest program
  - c. Capital investment project
  - d. Capital improvement program
14. For a CIP, a Master Plan helps select projects.
- a. True
  - b. False
15. Which is NOT part of SMART goal setting?
- a. Measurable
  - b. Time-bound
  - c. Together
  - d. Specific
16. What is the primary purpose of a feasibility study?
- a. To secure stakeholder approval
  - b. To determine if an idea is viable
  - c. To identify qualified team members
  - d. To define the project schedule
17. Which of the following best defines a project?

- a. A long-term operational effort
- b. A temporary endeavor creating a unique result
- c. A group of related initiatives
- d. A recurring business process

18. Which office is responsible for defining and maintaining project management standards?

- a. PPMO
- b. PMO
- c. Executive Steering Committee
- d. Engineering Department

19. Which formula represents the simplified lifecycle cost (LCC) approach?

- a.  $LCC = \text{Capital Cost} - \text{Salvage Value}$
- b.  $LCC = \text{Annual O\&M} \times PWF$
- c.  $LCC = \text{Capital Cost} + \text{Annual O\&M} \times \text{Years}$
- d.  $LCC = \text{Revenue} - \text{Costs}$

20. What is the primary purpose of a business case?

- a. To assign a project manager
- b. To justify the investment of resources
- c. To create a detailed design
- d. To approve the project charter

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