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# CHAPTER QUIZZES

## CHAPTER 1 QUIZ

1. Construction is defined as a high-risk industry. Why?
  - a. Construction is impacted by outside factors such as government funding.
  - b. Construction is done outside and effected by weather conditions.
  - c. Most construction projects are custom not benefitted from standardization.
  - d. All of the above are true.

For questions 2–6, identify in which era the following event/improvement occurred. (Answers are only used once.)

- a. Ancient times 3200 BC to AD 500
  - b. Middle ages AD 500 to the 14th Century
  - c. Renaissance 14th Century to 17th Century
  - d. Industrial Revolution 18th to 19th Century
  - e. Modern Times 20th and 21st Century
2. Construction of the transcontinental railroad \_\_\_\_\_
  3. Construction of the Roman aqueducts \_\_\_\_\_
  4. The invention of the printing press and slide rule \_\_\_\_\_
  5. The emergence of a project leader separate from the craftsman, architect and engineer \_\_\_\_\_
  6. The emergence small cities and states fortified by the construction of castles \_\_\_\_\_
  7. Increased productivity is an important area of focus for the construction industry and can be achieved by \_\_\_\_\_.
    - a. improving the supply chain
    - b. improving the management culture
    - c. more investment in research and development
    - d. improved safety
    - e. a, b, c, and d
  8. In the construction of the transcontinental railroad which company faced greater logistical challenges?
    - a. Central Pacific
    - b. Union Pacific
  9. Henry Gantt’s graphical representation of work flow is best characterized as a \_\_\_\_\_.
    - a. CPM diagram
    - b. bar chart
    - c. P E R T chart
    - d. work breakdown structure
  10. Most young people view a career in construction as highly desirable. True or false?

## CHAPTER 2 QUIZ

1. A structural steel column collapses and is found to have been undersized. Which project participant would most likely be liable for this mistake?
  - e. Owner
  - f. Designer
  - g. Constructor
  - h. Structural steel worker
  - i. All of the above

### Matching (2–5)

Match the project participant with the statement that best represents their profession, responsibility, or project attitude. (Answers may be used more than once.)

- a. Owner
  - b. Designer
  - c. Construction Manager
  - d. Trade contractor
2. \_\_\_ A professional registered by the state
  3. \_\_\_ Looked to for the smooth orchestration of the project
  4. \_\_\_ Responsible for financing and land acquisition
  5. \_\_\_ Wants clear, on-time direction with no changes

### Matching (6–10)

Match the design/construction position with the appropriate job description.

- a. Clerk of the works
  - b. Job captain
  - c. Superintendent
  - d. Construction project manager
  - e. Field engineer
6. \_\_\_ This person organizes the drawings required to complete the job, manages the personnel resources, communicates with engineers and other consultants, and details schematic designs.
  7. \_\_\_ This person interacts with subcontractors and coordinates the flow of workers, supplies, and equipment on the site to ensure that the schedule is met.
  8. \_\_\_ Assigned by the designer to interpret the plans and specifications, this person may assist in problem solving, approve or reject material, and approve progress payments.
  9. \_\_\_ This person tracks the flow of documents through a field office. This is usually an entry-level position.
  10. \_\_\_ This person configures the project team, schedules the job, and sets up the cost control system. This person must have a solid understanding of project administration, good verbal and written communication skills, knowledge of labor union issues, and technical construction knowledge.

# ANSWERS TO CHAPTER REVIEW QUESTIONS AND CHAPTER QUIZZES

## Chapter 1 Answers

### Chapter Review Questions

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.

### Quiz

1. D
2. D
3. A
4. C
5. E
6. B
7. E
8. A
9. B
10. F

## Chapter 2 Answers

### Chapter Review Questions

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.

### Quiz

- |   |     |   |
|---|-----|---|
| B | 1.  | B |
| T | 2.  | B |
| T | 3.  | C |
| A | 4.  | A |
| T | 5.  | D |
| D | 6.  | B |
| B | 7.  | C |
| D | 8.  | A |
| T | 9.  | E |
| B | 10. | D |

## Chapter 3 Answers

### Chapter Review Questions

- 1.
- 2.

### Quiz

- |   |    |   |
|---|----|---|
| B | 1. | F |
| T | 2. | C |