## **ANSWERS**

1.	Which of these types of incentives is the most effective and among the more popular strategies to
	encourage green building? [Choose two]

- A. Material
- B. Financial
- C. Tangible
- (D.) Structural
- E. Experience
- 2. Which of these is an example of a type of structural incentive that could be used to encourage green building? [Choose two]
  - A. Tax Credits
  - B. Fee Reduction/Waiver
  - (C.) Expedited Review/Permitting Processes
  - (D.) Density and Height Bonuses
  - E. Grants
  - F. Revolving Loan Funds
- 3. The LEED Green Building Rating System serves as a guideline and assessment mechanism for which of these areas of high-performance green buildings and neighborhoods? [Choose three]
  - (A.) Design
  - (B.) Construction
  - C. Demolition
  - (D.) Operation and Maintenance
- 4. The Green Building Certification Institute (GBCI) oversees which of these areas of LEED? [Choose three]
  - A. Rating System Development
  - (B) Building Certification
  - (C) Credentials
  - (D) Credential Maintenance Program
  - E. USGBC Local Chapters
- 5. Which of these entities approves changes to LEED?
  - A. USGBC Board of Directors
  - B. LEED Steering Committee (LSC)
  - (C.) USGBC Membership
  - D. USGBC Staff
- 6. What must substantive revisions to LEED go through? [Choose two]
  - A. Pilot testing
  - (B) Public comment
  - (C.) USGBC member ballot
  - D. USGBC Board of Director approval
- 7. What is the purpose of the LEED Pilot Credit Library? [Choose three]
  - A. Test existing and revised LEED credit and prerequisite language
  - (B.) Test new and revised LEED credit and prerequisite language
  - (C.) Test new and revised alternative compliance paths to existing credits
  - (D.) Test new and innovative green building technologies and concepts

<ul> <li>8. Which of these is used for the implementation and maintenance of the current LEED version? [Choose two]</li> <li>Addenda</li> <li>Updates</li> <li>Credit Library</li> <li>Pilot Credit Library</li> </ul>
<ul> <li>9. Which of these building types is the LEED rating system designed to rate? [Choose four]</li> <li>A. Movable Prefabricated Structures</li> <li>B. Parking Structures</li> <li>C. Commercial</li> <li>D. Institutional</li> <li>E. Residential</li> <li>F. Neighborhood Development</li> </ul>
<ul> <li>10. Which of these is a goal of the Minimum Program Requirements (MPRs)? [Choose three]</li> <li>A. Give clear guidance to customers</li> <li>B. Guarantee Project Certification</li> <li>C. Protect the integrity of the LEED program</li> <li>D. Reduce complications that occur during the LEED certification process</li> </ul>
<ul> <li>11. Which of these may happen if a project is found to be in noncompliance of any MPR after the project has been certified?</li> <li>A. Owner is fined \$1000</li> <li>B. The project's LEED Certification is reduced to the lowest level of Certified</li> <li>C. The project's LEED Certification is revoked</li> <li>D. The project must return the LEED plaque</li> </ul>
<ul> <li>12. Which of these is a bonus credit category for LEED for BD+C: Core and Shell? [Choose two]</li> <li>A. Integrative Process (IP)</li> <li>B. Awareness and Education (AE)</li> <li>C. Innovation (IN)</li> <li>D. Smart Location and Linkages (LL)</li> <li>E. Regional Priority (RP)</li> </ul>
<ul> <li>13. A LEED for BD+C: Healthcare project is currently under construction and the project team has attempted 58 main credit points and 2 bonus points. How many additional points would they need to earn to achieve LEED Gold project certification?</li> <li>(A) 0</li> <li>B. 1</li> <li>C. 2</li> <li>D. 4</li> </ul>
<ul> <li>14. What are the principle types of requirements that all LEED standards contain? [Choose four]</li> <li>A) Prerequisites</li> <li>B) Core Credits</li> <li>C) Innovation Credits</li> <li>D) Regional Priority Credits</li> <li>E. Minimum Program Requirements (MPRs)</li> </ul>

- 15. What must every project team complete in order to LEED certify the project? [Choose three] (A) Satisfy all prerequisites for the rating system being used (B.) Earn the minimum number of points for the desired level of certification for the rating system being used C. Earn at least 40 points for the rating system being used (D) Satisfy the MPRs 16. Which of these is used to allocate points for a LEED credit? [Choose two] (A.) Direct human benefit (B.) Direct environmental benefit C. Global warming D. Indoor Environmental Quality E. Air and Water Pollutants 17. What is the allocation of points among LEED credits called? A. Credit Allocating B. Credit Impact (C.) Credit Weighting D. Credit Priority 18. What tools does the USGBC develop and maintain to support the LEED rating system? [Choose three] (A.) Reference Guides B. Project Checklists C. Project Scorecards (D) LEED Online (E.) Workshops & Education 19. What tool is the primary resource for managing the LEED documentation process? A. LEED Reference Guide B. LEED Project Scorecard C. LEED Project Checklist D. LEED Project Portfolio (E.) LEED Online 20. What can project teams do using the tool LEED Online? [Choose five] A. Earn Credential Maintenance Program (CMP) credit hours (B.) Manage project details C) Complete documentation requirements for LEED credits and prerequisites (D) Upload supporting files (E.) Submit applications for review (F.) Receive reviewer feedback
- 21. What is the purpose of the LEED Steering Committee (LSC)? [Choose two]
  - A. Approve changes to the LEED rating system
  - B. Develop new LEED credits and prerequisites
  - C. Modify existing LEED alternative compliance paths
  - (D) Ensure the use of the consensus process to evolve LEED
  - (E.) Preserve the integrity of the LEED rating system

- 22. Which of these requires balloting approval? A. LEED Addenda B. LEED Addenda requiring a substantive changes C. LEED Addenda requiring non-substantive changes (D.) LEED Updates 23. Which of these can a LEED project team adhere to?
- - (A.) LEED projects are required to use current addenda available at time of registration.
  - B. LEED projects are required to use current addenda available at time of application for certification.
  - C. LEED projects are not required to use current addenda.
  - D. LEED projects are required to use current addenda available at schematic design.
- 24. Which of these is an example of a type of financial incentive that could be used to encourage green building? [Choose four]
  - A. Marketing Assistance
  - (B) Revolving Loan Funds
  - C.) Tax Credits
  - D. Technical Assistance
  - (E.) Permitting Fee Reduction/Waiver
  - (F.) Grants
- 25. What is the purpose of LEED interpretations?
  - A. Fix unintentional inaccuracies, errors and/or omissions in content
  - (B.) Define or expand upon existing content to provide clarity where a misunderstanding of language has occurred
  - C. Provide additional options to content that address unique project needs and advancements in science and technology
  - D. Modify existing credit or prerequisite language
- 26. What percentage of all carbon dioxide emissions do buildings account for in the U.S.?
  - A. 2%
  - B. 12%
  - C. 28%
  - D. 35%
  - (E.) 38%
- 27. LEED rating systems are designed for what categories of buildings? [Choose four]
  - (A.) Commercial
  - B. Modular
  - (C.) Institutional
  - D. Prefabricated
  - (E.) Residential
  - (F.) Neighborhood developments
- 28. Who reviews improvements and changes to LEED before being submitted to a vote? [Choose two]
  - A. USGBC Members
  - B. LEED Steering Committee
  - (C.) USGBC Board of Directors
  - D. USGBC Member-based volunteer committees

29. Which of these is the basis for determining the weighting of the points for LEED credits?  A. LEED Certification Level  B. LEED Goals
C. LEED Project Size  D. LEED Steering Committee
<ul> <li>30. LEED prerequisites and credits have been created to address which of these issues? [Choose two]</li> <li>A) Climate Change</li> <li>B. Isolated Design and construction</li> <li>C. Development in Urban Areas</li> <li>D) Social equity</li> <li>E. Owner's bottom line</li> </ul>
<ul> <li>31. Which of these initiates the LEED certification process? [Choose two]</li> <li>A. Design charrette</li> <li>B. Construction Documents</li> <li>C. Register the project</li> <li>D. Select the LEED rating system</li> </ul>
<ul> <li>32. After the LEED project has been submitted for certification what reviews does it go through? [Choose two]</li> <li>A. Initial</li> <li>B. Final</li> <li>C. Preliminary</li> <li>D. Design</li> </ul>
<ul> <li>33. What is the team provided during the final review?</li> <li>A. A LEED plaque</li> <li>B. Technical advice on credits that require additional work for achievement</li> <li>C. The project's final score and certification level</li> <li>D. Suggestions for additional credits to pursue</li> </ul>
<ul> <li>34. What can a project team do if a prerequisite or credit is not achieved? [Choose two]</li> <li>A. File a complaint with Consumer affairs</li> <li>B. Appeal</li> <li>C. Accept the decision</li> <li>D. Pay additional fees for the prerequisite or credit to be approved</li> </ul>
<ul> <li>35. How many levels of LEED accreditation are there?</li> <li>A. None</li> <li>B. One</li> <li>C. Two</li> <li>D. Three</li> <li>E. Four</li> </ul>
<ul> <li>36. Which of these must be included in the credit structure for all LEED prerequisites and credits? [Choose two]</li> <li>A. Referenced Standards</li> <li>B. Exemplary Performance</li> <li>C. Intent</li> <li>D. Requirements</li> <li>E. Related Credit Tips</li> </ul>

- 37. Which of these describes the LEED Campus Project approach to certification?
  - A. Campus refers to the Campus Program for Projects on a Military Base or University campus.
  - B. Campus refers to the Campus Program for Commercial Mixed Use projects.
  - C. Campus refers to the Campus Program for Projects on multiple Sites, which certifies multiple buildings under the control of a single entity.
  - D Campus refers to the Campus Program for Projects on a Shared Site, which certifies multiple buildings located on one site and under the control of a single entity.
- 38. What are the approaches for certifying multiple builds under the Campus program? [Choose two]
  - (A.) Group
  - B.) Campus
  - C. Shared
  - D. Single
- 39. The process of engaging all project team members in discovering beneficial interrelationships and synergies between systems and components is known as?
  - A. Collaborative Design
  - (B.) Integrative Design
  - C. Conventional Design
  - D. Conceptual Design
  - E. Co-located Design
  - F. Isolated Design
- 40. At what time in the design and construction process should the coordination of building and site systems be addressed before?
  - A. Conceptual
  - (B) Schematic
  - C. Pre-schematic
  - D. Construction
- 41. What are the phases of an integrative process? [Choose three]
  - (A.) Discovery
  - B. System Design and Analysis
  - C. Schematic design
  - (D) Design and Construction (implementation)
  - (E.) Occupancy, operations, and performance feedback
  - F. Predesign
- 42. Which of these should be included in the LEED Work Plan? [Choose two]
  - A. Costs
  - (B.) Goals
  - (C.) Scorecard
  - D. LEED AP
- 43. At what time should buildings and spaces that earn LEED certification be completed?
  - A. Substance Completion
  - B. Punch list
  - (C.) Final application
  - D. Preliminary application

(D.) 40%
<ul> <li>45. A new LEED commercial office building is designed to be 20,000 square feet and is on a site with 15,000 square feet of buildable nonresidential land area which includes 5,000 square feet of structured parking. What is the Floor-Area-Ratio (FAR)?</li> <li>A. 0.5</li> <li>B. 1.0</li> <li>C. 1.3</li> <li>D. 2.0</li> </ul>
<ul> <li>46. A LEED BD+C: Retail project will have 15 full-time employees, 10 staff members, and 5 part-time employees that each work 4 hours daily. On average there will be 150 customers each day. What is the total of regular building occupants for the project?</li> <li>A. 18</li> <li>B. 25</li> <li>C. 28</li> <li>D. 178</li> <li>E. 180</li> </ul>
<ul> <li>47. In LEED calculations, occupant types are typically counted in what ways? [Choose two]</li> <li>A. Daily average</li> <li>B. Monthly average</li> <li>C. Peak totals at noon</li> <li>D. Peak totals in a typical 24-hour period</li> </ul>
<ul> <li>48. The gross floor area of the LEED project should be no less than what percentage of the gross land area within the LEED project boundary?</li> <li>A. 1%</li> <li>B. 2%</li> <li>C. 5%</li> <li>D. 10%</li> </ul>
<ul> <li>49. A LEED BD+C project must include a minimum of how many square feet of gross floor area?</li> <li>A. 100 sf</li> <li>B. 250 sf</li> <li>C. 1,000 sf</li> <li>D. 1,500 sf</li> </ul>
<ul> <li>50. A university campus is designing a new building that will include classrooms, offices, and laboratories. The project team has determined that 30% of the project spaces would meet LEED ID+C: Commercial Interiors and 70% meets LEED BD+C: New Construction. They also determined that 80% of the building spaces would meet LEED BD+C: Schools. Which rating system should the team use?</li> <li>A. LEED ID+C: Commercial Interiors</li> <li>B. LEED BD+C: New Construction and LEED ID+C: Commercial Interiors</li> <li>C. LEED BD+C: New Construction</li> <li>D. LEED BD+C: Schools</li> <li>E. LEED BD+C: New Construction or LEED BD+C: Schools</li> </ul>

44. A LEED project is earning LEED BD+C: New Construction and Major Renovations. What percentage of the

certifying gross floor areas may consist of incomplete space?

A. 0%B. 10%C. 25%