

Texas Surveyor in Training Practice Test (Sample)

Study Guide



Everything you need from our exam experts!

This is a sample study guide. To access the full version with hundreds of questions,

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Table of Contents

Copyright	1
Table of Contents	2
Introduction	3
How to Use This Guide	4
Questions	6
Answers	9
Explanations	11
Next Steps	17

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Introduction

Preparing for a certification exam can feel overwhelming, but with the right tools, it becomes an opportunity to build confidence, sharpen your skills, and move one step closer to your goals. At Examzify, we believe that effective exam preparation isn't just about memorization, it's about understanding the material, identifying knowledge gaps, and building the test-taking strategies that lead to success.

This guide was designed to help you do exactly that.

Whether you're preparing for a licensing exam, professional certification, or entry-level qualification, this book offers structured practice to reinforce key concepts. You'll find a wide range of multiple-choice questions, each followed by clear explanations to help you understand not just the right answer, but why it's correct.

The content in this guide is based on real-world exam objectives and aligned with the types of questions and topics commonly found on official tests. It's ideal for learners who want to:

- Practice answering questions under realistic conditions,
- Improve accuracy and speed,
- Review explanations to strengthen weak areas, and
- Approach the exam with greater confidence.

We recommend using this book not as a stand-alone study tool, but alongside other resources like flashcards, textbooks, or hands-on training. For best results, we recommend working through each question, reflecting on the explanation provided, and revisiting the topics that challenge you most.

Remember: successful test preparation isn't about getting every question right the first time, it's about learning from your mistakes and improving over time. Stay focused, trust the process, and know that every page you turn brings you closer to success.

Let's begin.

How to Use This Guide

This guide is designed to help you study more effectively and approach your exam with confidence. Whether you're reviewing for the first time or doing a final refresh, here's how to get the most out of your Examzify study guide:

1. Start with a Diagnostic Review

Skim through the questions to get a sense of what you know and what you need to focus on. Don't worry about getting everything right, your goal is to identify knowledge gaps early.

2. Study in Short, Focused Sessions

Break your study time into manageable blocks (e.g. 30 - 45 minutes). Review a handful of questions, reflect on the explanations, and take breaks to retain information better.

3. Learn from the Explanations

After answering a question, always read the explanation, even if you got it right. It reinforces key points, corrects misunderstandings, and teaches subtle distinctions between similar answers.

4. Track Your Progress

Use bookmarks or notes (if reading digitally) to mark difficult questions. Revisit these regularly and track improvements over time.

5. Simulate the Real Exam

Once you're comfortable, try taking a full set of questions without pausing. Set a timer and simulate test-day conditions to build confidence and time management skills.

6. Repeat and Review

Don't just study once, repetition builds retention. Re-attempt questions after a few days and revisit explanations to reinforce learning.

7. Use Other Tools

Pair this guide with other Examzify tools like flashcards, and digital practice tests to strengthen your preparation across formats.

There's no single right way to study, but consistent, thoughtful effort always wins. Use this guide flexibly — adapt the tips above to fit your pace and learning style. You've got this!

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Questions

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- 1. What is the term for the amount added to a firm's costs for a project as part of the total fee charged?**
 - A. Operating Margin**
 - B. Revenue Margin**
 - C. Profit Margin**
 - D. Cost Margin**

- 2. Which of the following is defined as equivalent or having the same meaning?**
 - A. Analogous**
 - B. Tantamount**
 - C. Dissimilar**
 - D. Identity**

- 3. What is the term for the land that is formed by the action of water depositing sediment over time?**
 - A. Alluvium**
 - B. Reliction**
 - C. Accretion**
 - D. Erosion**

- 4. What role does a probate court play in relation to a will?**
 - A. Creates Deeds**
 - B. Distributes property according to wishes**
 - C. Determines Creditor Claims**
 - D. Registers Titles**

- 5. What does NAD83 stand for?**
 - A. North Average Datum 1983**
 - B. National Age Datum 1983**
 - C. North American Datum 1983**
 - D. North American Depth 1983**

6. What tool can provide a method for data compression while eliminating redundant information?

- A. Firewall**
- B. Compression algorithm**
- C. Network bandwidth**
- D. Operating System**

7. Which term is used to describe the total angle measures in spherical triangles?

- A. Triangular sum**
- B. Excess angle**
- C. Geometric mean**
- D. Spherical sum**

8. Which legal term represents a gap where two land parcels should join?

- A. Hiatus**
- B. Disjunction**
- C. Severance**
- D. Chasm**

9. Which document provides proof of ownership for property, issued by the General Land Office?

- A. Land Patent**
- B. Property Deed**
- C. Certificate of Title**
- D. Lease Agreement**

10. What is dynamic height used to specify?

- A. The depth of water bodies**
- B. The height of a point above a reference**
- C. The curvature of the Earth**
- D. The elevation of geographical features**

Answers

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

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Explanations

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1. What is the term for the amount added to a firm's costs for a project as part of the total fee charged?

A. Operating Margin

B. Revenue Margin

C. Profit Margin

D. Cost Margin

The correct term for the amount added to a firm's costs for a project as part of the total fee charged is accurately described as operating margin. Operating margin refers specifically to the portion of a firm's revenue that remains after deducting its operating expenses, which includes costs directly associated with project execution. It serves as an important metric for evaluating the profitability of a project by showing how much of the revenue is left to cover other expenses and contribute to overall profit after operational costs. While concepts like profit margin and cost margin also relate to profitability, they do not specifically identify the added costs in the context of firm operations in the way that operating margin does. Profit margin represents the percentage of revenue that remains after all expenses, not just operating ones, have been deducted, while cost margin is less commonly defined in industry practice and can refer to the relationship between costs and the final price charged without capturing the operational aspects of managing those costs. Revenue margin generally pertains to the total revenue generated rather than the specific costs associated with delivering a service or product.

2. Which of the following is defined as equivalent or having the same meaning?

A. Analogous

B. Tantamount

C. Dissimilar

D. Identity

The term "tantamount" is defined as equivalent or having the same meaning. This word conveys the idea of one thing being equal in value, significance, or effect to another. In many contexts, "tantamount" is used to indicate that two different situations, actions, or entities produce the same outcome or bear similar weight in terms of importance. The other terms provided do not align with this definition: "analogous" refers to a similarity between things but doesn't imply they are identical or equivalent in meaning; "dissimilar" indicates a difference and thus is the opposite of equivalent; "identity" pertains to sameness or uniqueness rather than equivalence in meaning. Therefore, the use of "tantamount" is the most accurate choice when describing something that is equivalent.

3. What is the term for the land that is formed by the action of water depositing sediment over time?

- A. Alluvium**
- B. Reliction**
- C. Accretion**
- D. Erosion**

The term that specifically refers to land formed by the action of water depositing sediment over time is alluvium. Alluvium consists of clay, silt, sand, and gravel that are transported and then deposited by flowing water, typically in riverbeds, floodplains, and deltas. This process builds up new landforms and alters the landscape, making alluvium a crucial factor in sedimentary geology and land development. Accretion, while closely related, refers more broadly to the gradual increase in land area due to the addition of new soil, sediment, or other materials, which may result from processes including but not limited to water deposition. Reliction involves the gradual drying up of water bodies that exposes new land, while erosion is the process of wearing away rocks and soil, typically resulting in the loss of land rather than the formation of new land. These definitions help clarify why alluvium is the most accurate term for land formed specifically by sediment deposition from water.

4. What role does a probate court play in relation to a will?

- A. Creates Deeds**
- B. Distributes property according to wishes**
- C. Determines Creditor Claims**
- D. Registers Titles**

The primary role of a probate court in relation to a will is to distribute property according to the wishes outlined in the will. When an individual passes away, the probate court oversees the process of administering their estate, which includes validating the will, if it exists, and ensuring that the deceased's assets are allocated in accordance with their intentions as laid out in the document. The court examines the will for authenticity and legality, ensuring that it meets all relevant laws and requirements. Once validated, the probate court facilitates the distribution of the assets to the beneficiaries named in the will, as well as handling any claims against the estate. This process ensures that the deceased's final wishes regarding their property and possessions are fulfilled in a fair and lawful manner.

5. What does NAD83 stand for?

- A. North Average Datum 1983
- B. National Age Datum 1983
- C. North American Datum 1983**
- D. North American Depth 1983

NAD83 stands for North American Datum 1983, and it is a geodetic reference system used to define latitude and longitude coordinates across North America. This system provides a standard for mapping and surveying activities, allowing for consistent and reliable measurements. NAD83 was designed to replace the previous NAD27, improving the accuracy of geographic coordinates by adopting a more modern approach that utilizes satellite technology and other advancements in geodesy. It is crucial for surveyors and engineers as it serves as the foundation for various mapping programs and is integrated into numerous Geographic Information Systems (GIS). When using NAD83, professionals benefit from an alignment with the Earth's physical characteristics, making it essential for applications requiring high precision, such as land surveying, construction, and environmental studies. Understanding and applying this datum is vital in ensuring accuracy in planning and executing projects that rely on exact geographic positioning.

6. What tool can provide a method for data compression while eliminating redundant information?

- A. Firewall
- B. Compression algorithm**
- C. Network bandwidth
- D. Operating System

A compression algorithm is specifically designed to reduce the size of data by identifying and eliminating redundant information. It uses various techniques to encode data more efficiently, allowing for smaller file sizes while maintaining the integrity of the original content. This is especially useful in contexts like data storage and transmission, where minimizing size can enhance performance and reduce costs. In contrast, a firewall is a security tool used to control access to and from a network, which does not address data compression. Network bandwidth refers to the maximum rate of data transfer across a network path, and while related to data transmission efficiency, it does not specifically focus on reducing data size. An operating system manages hardware and software resources, providing a platform for applications to run, but it does not inherently include functions for compressing data like a compression algorithm does. Thus, the role of a compression algorithm is vital in effectively managing and optimizing data by eliminating redundancy.

7. Which term is used to describe the total angle measures in spherical triangles?

- A. Triangular sum**
- B. Excess angle**
- C. Geometric mean**
- D. Spherical sum**

The correct term to describe the total angle measures in spherical triangles is known as the spherical sum. In spherical geometry, unlike planar triangles where the sum of the angles is always 180 degrees, the angles in a spherical triangle add up to more than 180 degrees but less than 540 degrees. This excess is due to the curvature of the sphere itself. Each spherical triangle has an angle sum that can be expressed as 180 degrees plus some additional angle, known as the excess angle. This concept demonstrates a crucial aspect of spherical geometry, showcasing how it diverges from the familiar rules of planar triangles. The spherical sum, therefore, encapsulates the overall angle measurement in spherical triangles and reflects the unique properties that arise from the geometry of the sphere. While the term "triangular sum" might suggest a summation of angles, it doesn't specifically indicate the unique characteristics of spherical triangles. "Geometric mean" refers to a different mathematical concept not related to angle measures. Lastly, "excess angle" specifically describes the additional portion beyond 180 degrees but does not appropriately encompass the total measure of angles. Thus, "spherical sum" correctly identifies the complete set of angles in spherical triangles.

8. Which legal term represents a gap where two land parcels should join?

- A. Hiatus**
- B. Disjunction**
- C. Severance**
- D. Chasm**

The legal term that accurately identifies a gap where two land parcels should connect is known as a hiatus. A hiatus refers to a break or interruption in the physical continuity of the land, resulting in two parcels that are not directly joined as they should be. This term is commonly used in land surveying and property law to address situations where there is an unfilled space between adjacent properties despite the expectation of continuity. In the context of land use and properties, identifying a hiatus helps surveyors and landowners determine how to address boundary disputes or discrepancies that may arise when parcels were intended to be contiguous. It's essential for these gaps to be properly managed to establish clear ownership and rights to use the land. The other choices, while they have their own meanings, do not specifically define this particular situation in land surveying. Disjunction generally refers to a separation or division but may not specifically pertain to the context of land parcels joining. Severance deals with the act of cutting off, which could indicate division or loss of land but does not imply a gap. Lastly, chasm often describes a wide gap or fissure, which is more literal and less applicable in the context of property descriptions. Thus, the term hiatus is the most appropriate and correct choice in identifying gaps.

9. Which document provides proof of ownership for property, issued by the General Land Office?

- A. Land Patent**
- B. Property Deed**
- C. Certificate of Title**
- D. Lease Agreement**

The Land Patent serves as the correct answer because it is a legal document that grants an individual ownership of land. It is issued by the General Land Office, which is responsible for managing state-owned lands and ensuring proper documentation of land transfers. A Land Patent represents the final transfer of land from the government to the individual, establishing clear ownership rights. In contrast, a Property Deed is a document that conveys property from one party to another but does not originate from the government like a Land Patent does. A Certificate of Title is primarily used to validate ownership in the context of personal property, especially vehicles, rather than real estate. A Lease Agreement allows a tenant to occupy land owned by another party but does not signify ownership. Thus, the Land Patent is specifically designed to provide ownership proof that originates from a governmental authority.

10. What is dynamic height used to specify?

- A. The depth of water bodies**
- B. The height of a point above a reference**
- C. The curvature of the Earth**
- D. The elevation of geographical features**

Dynamic height is used to specify the height of a point above a reference level, particularly in the context of geodesy and surveying. It is defined through the relationship between gravity and the physical characteristics of the Earth. This measurement considers the changes in the gravitational field and allows surveyors to establish vertical positions relative to a standard reference, which is crucial for accurate topographic mapping and construction projects. In contrast, other options refer to different concepts. The depth of water bodies relates to bathymetry rather than dynamic height. The curvature of the Earth pertains to Earth's geometric shape and is not specifically about height at a certain point. The elevation of geographical features describes a static measure of height relative to sea level or another established datum, but dynamic height is more focused on the influence of gravity and fluid dynamics at different locations. This specificity makes option B the best answer in this context.

Next Steps

Congratulations on reaching the final section of this guide. You've taken a meaningful step toward passing your certification exam and advancing your career.

As you continue preparing, remember that consistent practice, review, and self-reflection are key to success. Make time to revisit difficult topics, simulate exam conditions, and track your progress along the way.

If you need help, have suggestions, or want to share feedback, we'd love to hear from you. Reach out to our team at hello@examzify.com.

Or visit your dedicated course page for more study tools and resources:

<https://txsurveyorintraining.examzify.com>

We wish you the very best on your exam journey. You've got this!

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