

GENERAL EDUCATION DRILLS PRACTICE TEST (SAMPLE)

STUDY GUIDE



SAMPLE STUDY GUIDE WITH LIMITED QUESTIONS

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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. 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.

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. 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!

Questions

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1. Choose the closest synonym for 'infer' in the context of reading.
 - A. explain
 - B. deduce
 - C. memorize
 - D. apply
2. In a pie chart where A represents 25%, B 35%, and C 40%, the total value is 200. What is the value for B?
 - A. 60
 - B. 80
 - C. 50
 - D. 70
3. Which equation represents the Pythagorean theorem for a right triangle with legs a and b and hypotenuse c?
 - A. $a^2 + c^2 = b^2$
 - B. $b^2 + c^2 = a^2$
 - C. $a^2 + b^2 = c^2$
 - D. $c^2 = a^2 + b^2 - 2ab$
4. Who is the author of Uncle Tom's Cabin?
 - A. Nathaniel Hawthorne
 - B. Harriet Beecher Stowe
 - C. Mark Twain
 - D. Virginia Woolf
5. Pilosopo Tasyo is a character in Noli Me Tangere personified by whom in reality?
 - A. Rizal
 - B. Simon
 - C. Isagani
 - D. Pilosopo Tasyo

6. Which statement correctly describes osmosis?

- A. Water moves across a semipermeable membrane from high water potential to low water potential.
- B. Water moves across a semipermeable membrane from low water potential to high water potential.
- C. Water moves across a semipermeable membrane only when energy is required.
- D. Water moves with equal probability in all directions regardless of water potential.

7. A watershed is another name for which geographic feature?

- A. Peninsula
- B. Delta
- C. Plateau
- D. Drainage basin

8. What is 25 percent of eighty?

- A. 20
- B. 10
- C. 25
- D. 60

9. Industrialization typically involves a shift away from agriculture toward what?

- A. Tourism-based economy
- B. Fishing-based economy
- C. Information-based economy
- D. Factory-based manufacturing

10. Who wrote Alice in Wonderland?

- A. Lewis Carroll
- B. Nathaniel Hawthorne
- C. Edgar Allan Poe
- D. Virginia Woolf

Answers

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

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Explanations

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1. Choose the closest synonym for 'infer' in the context of reading.

- A. explain
- B. deduce**
- C. memorize
- D. apply

In reading, inferring means drawing a conclusion from clues the author provides, even when the exact idea isn't stated outright. It's about putting together hints from the text—like actions, dialogue, descriptions, and tone—to understand what the author implies. That makes deduce the best match, because deduce and infer both mean arriving at a conclusion from evidence in the text. For instance, if a character avoids others, speaks softly, and keeps glancing toward the door, you can infer they're anxious about something, even if the story doesn't say it directly. Explaining would be clarifying why something happened, often based on explicit details; memorizing is just remembering information; applying is using knowledge in a new situation. So deduce fits best as the synonym in this reading context.

2. In a pie chart where A represents 25%, B 35%, and C 40%, the total value is 200. What is the value for B?

- A. 60
- B. 80
- C. 50
- D. 70**

In a pie chart, each slice represents a portion of the total value, shown as a percentage. To find the actual value of a slice, multiply the total by that slice's percentage. Here, the slice is 35% of the total 200, so compute $0.35 \times 200 = 70$. Therefore, the value for that slice is 70. As a quick check, 25% of 200 is 50 and 40% of 200 is 80, and $50 + 70 + 80 = 200$, which matches the total.

3. Which equation represents the Pythagorean theorem for a right triangle with legs a and b and hypotenuse c?

- A. $a^2 + c^2 = b^2$
- B. $b^2 + c^2 = a^2$
- C. $a^2 + b^2 = c^2$**
- D. $c^2 = a^2 + b^2 - 2ab$

In a right triangle, the square of the hypotenuse equals the sum of the squares of the two legs. Since the legs are a and b and the hypotenuse is c, the relationship is $c^2 = a^2 + b^2$. This is the exact equation that matches the Pythagorean theorem for these side lengths. The other forms would imply a different hypotenuse or come from a different identity, and $c^2 = a^2 + b^2$ is the straightforward expression of the right-triangle relationship.

4. Who is the author of Uncle Tom's Cabin?

- A. Nathaniel Hawthorne
- B. Harriet Beecher Stowe**
- C. Mark Twain
- D. Virginia Woolf

Harriet Beecher Stowe is the author. Uncle Tom's Cabin, published in 1852, is a landmark anti-slavery novel written by her, and its vivid portrayal of enslaved people's lives helped galvanize the abolitionist movement in the United States. The author became closely associated with this work and its impact on American history. Other well-known authors wrote different works—Nathaniel Hawthorne authored The Scarlet Letter, Mark Twain wrote Tom Sawyer and Huckleberry Finn, and Virginia Woolf wrote novels like Mrs. Dalloway—so they are not the creators of this particular book.

5. Pilosopo Tasyo is a character in Noli Me Tangere personified by whom in reality?

- A. Rizal
- B. Simon**
- C. Isagani
- D. Pilosopo Tasyo

Pilosopo Tasyo acts as the voice of the educated Filipino thinker who observes society with a mix of humor and critique. In some interpretations, this persona is understood to be based on a real person named Simon who existed in Rizal's circle, embodying the traits Tasyo displays—a worldly, bookish man capable of lofty ideas that clash with common beliefs. The idea isn't that Rizal himself is Tasyo; rather, Rizal uses Tasyo to give a face to the kind of intellectual who challenges tradition and points out social flaws. That connection to a real-life Simon is why this answer fits best. The other options don't align since Isagani is a separate character, and Rizal as the author or Pilosopo Tasyo himself wouldn't be described as being personified by someone else in reality.

6. Which statement correctly describes osmosis?

- A. Water moves across a semipermeable membrane from high water potential to low water potential.**
- B. Water moves across a semipermeable membrane from low water potential to high water potential.
- C. Water moves across a semipermeable membrane only when energy is required.
- D. Water moves with equal probability in all directions regardless of water potential.

Osmosis is the movement of water across a semipermeable membrane down its water potential gradient. Water potential reflects how freely water molecules can move: it's higher where there is more free water (less solute) and lower where solute concentration is higher or where pressure constrains water movement. Because water tends to move toward lower water potential, it flows from regions of high water potential to regions of low water potential through the membrane. That means the statement describing water moving from high to low water potential is describing the actual direction of osmotic flow. Osmosis is a passive process, requiring no external energy input, and it proceeds along the gradient until equilibrium is reached or balanced by opposing pressures. The other ideas—water moving from low to high water potential, requiring energy, or moving equally in all directions regardless of gradient—do not reflect how osmosis operates.

7. A watershed is another name for which geographic feature?

- A. Peninsula
- B. Delta
- C. Plateau
- D. Drainage basin**

The main idea is understanding how water collects and moves over the land. A watershed is the area of land where all precipitation drains toward a common outlet, such as a river, lake, or ocean. The boundary of a watershed is set by high ground like ridges that split where water flows in different directions. Within that area, streams and tributaries carry water to the main river system. Because it describes the whole drainage area of a river or stream, a watershed is another name for a drainage basin. A peninsula is land that projects into water, a delta is where a river deposits sediment at its mouth, and a plateau is a flat-topped elevated area—none of these describe the drainage area that collects water for a river the way a watershed does.

8. What is 25 percent of eighty?

- A. 20**
- B. 10
- C. 25
- D. 60

When you find a percent of a number, multiply the number by the percent written as a decimal. Twenty-five percent is 0.25, so twenty-five percent of eighty is $0.25 \times 80 = 20$. An easy way to see it is that 25% is a quarter, and a quarter of eighty is $80 \div 4 = 20$. The other options don't match twenty-five percent: ten is 12.5% of eighty, twenty-five is 31.25% of eighty, and sixty is 75% of eighty. So the result is 20.

9. Industrialization typically involves a shift away from agriculture toward what?

- A. Tourism-based economy
- B. Fishing-based economy
- C. Information-based economy
- D. Factory-based manufacturing**

Industrialization is about replacing much of agricultural and artisanal work with large-scale, mechanized production in centralized sites. The hallmark is factory-based manufacturing: machines and assembly processes in factories enable mass production, urban growth, and new kinds of jobs beyond farming. That's why the description of factory-based manufacturing fits best. The other options describe economies focused on tourism, fishing, or information services, which don't capture the shift to mechanized production that defines industrialization.

10. Who wrote Alice in Wonderland?

- A. Lewis Carroll
- B. Nathaniel Hawthorne
- C. Edgar Allan Poe
- D. Virginia Woolf

Authorship of Alice in Wonderland is Lewis Carroll, the pen name of Charles Lutwidge Dodgson, a 19th-century English writer and mathematician. He published the story in 1865 after telling it to Alice Liddell, a girl he befriended, and it follows a girl named Alice who tumbles into a whimsical, nonsensical world full of talking creatures. The other names listed are famous writers from different eras and genres: Nathaniel Hawthorne was American and wrote The Scarlet Letter; Edgar Allan Poe is known for Gothic tales and poems; Virginia Woolf was a British modernist novelist. So the book's author is Lewis Carroll.

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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://generaledrills.examzify.com>

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

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