# NCLC ARBORICULTURE TECHNIQUES PRACTICE EXAM (SAMPLE)

## STUDY GUIDE



## SAMPLE STUDY GUIDE WITH LIMITED QUESTIONS

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# Table of Contents


Copyright ..... 1

Table of Contents ..... 2

Introduction ..... 3

How to Use This Guide ..... 4

Questions ..... 5

Answers ..... 8

Explanations ..... 10

Next Steps ..... 15


SAMPLE

# 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.

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# 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!

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# Questions

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**1. Identify one common wood-decay fungus and a canopy symptom it may cause.**

A. Ganoderma species; canopy dieback, thinning, and fungal fruiting bodies or conks on the trunk.

B. Armillaria; leaf curling and spotty leaves.

C. Phytophthora; bark shedding and resin flow.

D. Hypoxylon; root swelling.

**2. Name two indicators that a tree is experiencing drought stress.**

A. Increased leaf size and deeper green

B. Flowering out of season

C. Wilting or curling leaves and early leaf drop or reduced vigor

D. Rapid height growth

**3. Anthracnose is most accurately described as which type of disease?**

A. Bacterial Wilt

B. Viral Infection

C. Nutrient Deficiency

D. Fungal Disease

**4. Volcano mulching should be avoided because it can cause what problems?**

A. It speeds root growth

B. It has no effect

C. It can cause trunk girdling and moisture problems

D. It improves nutrient absorption

**5. In industry safety terms, the term 'shall' indicates mandatory action.**

A. True

B. False

C. Both are advisory

D. Shall denotes mandatory

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**6. Which of the following statements is true regarding branch protection zones?**

A. There is no branch protection zone on stem-only branches behind a true collar

B. A branch protection zone exists behind a true collar on all branches

C. Branch Protection Zones are never used on limbs

D. Branch Protection Zones are only on main trunks

**7. What is stump grinding, and what are its typical advantages and limitations?**

A. Chemical decay of the stump to rot it away, leaving roots to decay in place.

B. Grinding the stump below soil level using a grinder; advantages include rapid stump removal and minimal disturbance; limitations include root remnants and disposal of grindings.

C. Digging around the stump and pulling it out by the roots.

D. Burning the stump to ash and leaving a void.

**8. Which factor is NOT typically considered when selecting between full felling and sectional removal?**

A. Tree size

B. Nearby structures

C. Color of leaves

D. Soil and site access

**9. Which hazard is most directly associated with working near power lines during tree work?**

A. Falls from height

B. Electrical hazards

C. Wind gusts

D. Soil erosion

**10. Which outcome is a potential consequence of flush cuts?**

A. Internal cracks, cankers, decaying wood and cavities

B. Rapid, flawless wound healing

C. No change in tree health

D. Increased leaf production

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# Answers

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

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# Explanations

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**1. Identify one common wood-decay fungus and a canopy symptom it may cause.**

A. Ganoderma species; canopy dieback, thinning, and fungal fruiting bodies or conks on the trunk.

B. Armillaria; leaf curling and spotty leaves.

C. Phytophthora; bark shedding and resin flow.

D. Hypoxylon; root swelling.

*Wood-decay fungi weaken the inside of the tree, and that internal decay often shows up as reduced vigor in the crown and visible signs on the trunk. Ganoderma species are classic wood-decay fungi; they decay the wood and, as the tree loses vitality, the canopy may die back and thin. A key clue is the fungal fruiting bodies—conks—forming on the trunk, which indicate active decay inside. The other options describe pathogens or symptoms less characteristic of a wood-decay fungus causing canopy decline: Armillaria is more associated with root rot and general decline rather than specific leaf changes; Phytophthora is a water mold linked to root and crown issues with bark shedding and resin flow not typical canopy dieback; Hypoxylon canker relates to stressed trees with cankers rather than the crown decline paired with trunk conks.*

**2. Name two indicators that a tree is experiencing drought stress.**

A. Increased leaf size and deeper green

B. Flowering out of season

C. Wilting or curling leaves and early leaf drop or reduced vigor

D. Rapid height growth

*When a tree is under drought stress, water deficit affects the leaf tissues and the plant's overall vitality. The most telling signs are wilting or curling leaves, which happen as cells lose turgor pressure and the leaf blade folds to conserve water. If the stress continues, the tree often sheds leaves earlier than normal and shows reduced vigor, meaning slower growth and poorer overall condition. These two indicators—wilting or curling leaves and early leaf drop or reduced vigor—best reflect a tree responding to limited water. Other options don't fit drought as cleanly: larger leaves with a deeper green usually point to adequate water or nutrients; flowering out of season can occur for various stresses but isn't a definitive drought signal; rapid height growth suggests favorable growing conditions, not drought.*

**3. Anthracnose is most accurately described as which type of disease?**

A. Bacterial Wilt

B. Viral Infection

C. Nutrient Deficiency

D. Fungal Disease

*Anthracnose is caused by fungal pathogens, specifically Colletotrichum species, so it is classified as a fungal disease. The symptoms—dark, sunken lesions on leaves, stems, and fruit and fruit rot under warm, wet conditions—are typical of fungi that spread by spores carried in rain splash and splash-dispersed moisture. This distinguishes it from bacterial wilt, which is driven by bacteria and causes wilting and sometimes ooze; viral infections, which produce patterns like mosaics, stunting, or leaf distortion; and nutrient deficiencies, which are not caused by pathogens but by a lack of essential nutrients. In short, the causal agent being a fungus makes this a fungal disease.*

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## 4. Volcano mulching should be avoided because it can cause what problems?

A. It speeds root growth

B. It has no effect

C. It can cause trunk girdling and moisture problems

D. It improves nutrient absorption

*Volcano mulching creates a warm, moist environment right at the trunk. The mulch piled against the trunk traps moisture and reduces air flow, promoting bark and cambial decay and inviting fungi and pests that can girdle the trunk and disrupt water transport. The moisture buildup also stresses the root zone, increasing the risk of rot and nutrient problems. For these reasons, this practice should be avoided; keep mulch a few inches away from the trunk and spread it outward.*

## 5. In industry safety terms, the term 'shall' indicates mandatory action.

A. True

B. False

C. Both are advisory

D. Shall denotes mandatory

*In industry safety language, the word shall is used to express a binding requirement. When a standard or procedure says that workers shall wear a hard hat, it means compliance is mandatory, not optional. This explicit obligation helps ensure safety outcomes and reduces ambiguity. By contrast, should is a strong recommendation, may indicates permission, and must, while also conveying necessity in many contexts, is less common in some standards where shall is the standard term for mandatory actions. So the statement that shall indicates mandatory action is true.*

## 6. Which of the following statements is true regarding branch protection zones?

A. There is no branch protection zone on stem-only branches behind a true collar

B. A branch protection zone exists behind a true collar on all branches

C. Branch Protection Zones are never used on limbs

D. Branch Protection Zones are only on main trunks

*The main idea is that a branch protection zone forms behind the true branch collar on every branch. The true collar is the tissue at the junction where a branch meets the trunk, and behind that collar the tree develops a protective zone that helps seal wounds and resist decay. Because this protective response is tied to branches that have a true collar, a BPZ is present behind the collar on all branches, not just on certain ones. That's why the statement describing a BPZ behind a true collar on all branches is the best fit. The other options imply exclusions (no BPZ on stem-only branches, never on limbs, or only on main trunks), which don't align with how trees form protective tissue at branch junctions.*

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## 7. What is stump grinding, and what are its typical advantages and limitations?

A. Chemical decay of the stump to rot it away, leaving roots to decay in place.

B. Grinding the stump below soil level using a grinder; advantages include rapid stump removal and minimal disturbance; limitations include root remnants and disposal of grindings.

C. Digging around the stump and pulling it out by the roots.

D. Burning the stump to ash and leaving a void.

*Stump grinding is a method where a machine called a stump grinder is used to chip away the remaining stump, usually down below soil level so the surface can be leveled and the area can be replanted. The cutting wheel works gradually, turning the stump into wood chips rather than pulling it out by the roots. The appeal is clear: it's fast and causes little surface disturbance, so you can reseed, plant new trees, or restore lawn space quickly without digging a big hole or removing extensive root systems. You can often work close to sidewalks, driveways, or structures without the heavy excavation that other methods require. But there are limits. Roots and root fragments often stay in the ground, so you don't get a completely clean removal of the old root system. The wood chips produced—the grindings—must be disposed of or reused as mulch, which isn't always desirable on every site. Depending on the stump, there may also be practical obstacles or safety considerations that prevent full grinding to the desired depth.*

## 8. Which factor is NOT typically considered when selecting between full felling and sectional removal?

A. Tree size

B. Nearby structures

C. Color of leaves

D. Soil and site access

*The key idea is that choosing between full felling and sectional removal is guided by practical safety and logistical factors that affect how the tree can be controlled, rigged, and removed. Tree size helps determine the weight and required rigging; nearby structures, people, or power lines influence fall direction and may necessitate sectional work to manage risk; soil and site access impact equipment use, ground stability, and debris handling. The color of leaves, while informative for health or species, does not inform these mechanical or safety considerations, so it's not a factor in deciding the removal method.*

## 9. Which hazard is most directly associated with working near power lines during tree work?

A. Falls from height

B. Electrical hazards

C. Wind gusts

D. Soil erosion

*Electrical hazards are the primary risk when you work near power lines. Live conductors can energize anything that touches them—your saw, rope, branches, or even the tree itself—so contact or close approach can lead to electric shock or a dangerous arc. Wet wood, rain, or damp gear can improve conduction, increasing the danger. Falls from height or weather-related risks exist in tree work, but they aren't specific results of being near lines in the way electricity is. So the hazard most directly tied to working near power lines is the electrical hazard.*

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**10. Which outcome is a potential consequence of flush cuts?**

A. Internal cracks, cankers, decaying wood and cavities

B. Rapid, flawless wound healing

C. No change in tree health

D. Increased leaf production

*When a branch is cut flush, the cutting removes the branch at the trunk surface and eliminates the branch collar, leaving a flat wound against the trunk. The tree's natural wound response relies on the exposed cambium around the wound to form callus tissue and seal the area. With a flush cut, this process is less effective because there's a larger, more exposed surface and less protected tissue to initiate rapid, organized healing. That makes the wound a gateway for moisture, fungi, and bacteria, increasing the risk of internal cracks, cankers, decaying wood, and cavities. Rapid, flawless wound healing is unlikely because flush cuts create a big, exposed wound that is harder for the tree to close properly. No change in tree health is not accurate; large wounds from flush cuts can diminish vigor and invite decay. Increased leaf production is not a typical consequence of flushing cuts.*

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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://nclcarboriculture.examzify.com

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

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