

ADVANCED SCAFFOLDING

VOC Study Guide

CERT LEVEL	QUESTIONS	SECTIONS	YEAR
Advanced Scaffolding	30	3	2025

How to use this guide

This document is split into two parts. Part 1 contains all questions — use it to test yourself before looking at the answers. Write your responses in the space provided, or cover the answer pages and work through from memory.

Part 2 contains the full answer guide. Each question is repeated with its answer so you can use it as a learning reference before sitting your VOC assessment.

SEC	TOPIC	QUESTIONS
1	HUNG SCAFFOLDS & COMPONENTS	1 – 9
2	SUSPENDED SCAFFOLDS & CRADLES	10 – 18
3	NEEDLES, COUNTERWEIGHTS & HOISTS	19 – 30

This study guide is provided by Voceed — www.voceed.com. Always cross-reference with current Australian legislation, codes of practice, and your RTO training materials.

PART 1 — QUESTIONS

Work through each question and write your answer in the space below, or test yourself from memory before checking Part 2.

SECTION 1 — HUNG SCAFFOLDS & COMPONENTS

- Q1.** Would you use open-ended hook-rods to construct a hung scaffold?
-
-
- Q2.** What is the minimum diameter of flexible steel wire rope you would use to support a hung scaffold?
-
-
- Q3.** Will a Grade (M) chain support a greater or a lesser load than a Grade (T) chain?
-
-
- Q4.** What is the minimum working load limit for beam clamps, trolleys and shackles used to support a hung scaffold?
-
-
- Q5.** What would you use to protect a flexible steel wire rope from damage when it is fixed around the sharp edges of a beam?
-
-
- Q6.** When a ledger is supported in the eye of a sling, how would you stop it from sliding?
-
-
- Q7.** How would you stop shackle pins from unwinding?
-
-
- Q8.** What sort of coupler bolt-threads are unsuitable for fixing hung standards?
-
-

Q9. Would you extend the length of a hung standard by fixing scaffold tubes with end-to-end couplers?

SECTION 2 — SUSPENDED SCAFFOLDS & CRADLES

Q10. What is the minimum rated working load for a trolley used to support a suspension rope?

Q11. Would you fix a cradle's working load limit sign to the inside or to the outside of the cradle?

Q12. What is the minimum cradle width for a double rope suspended scaffold?

Q13. What is the maximum cradle width for a double rope suspended scaffold?

Q14. What is the minimum width of a swing stage cradle?

Q15. What is the maximum width of a swing stage cradle?

Q16. What is the minimum width of a work cage?

Q17. What is the maximum width of a work cage?

Q18. What is the minimum height of a stabilising sheave above the platform of a work cage?

SECTION 3 — NEEDLES, COUNTERWEIGHTS & HOISTS

Q19. Would you fix the inboard end of a needle with friction anchors?

Q20. Can bags of sand be used to counterweight a needle?

Q21. Would you use counterweights to fix a needle which supports two suspension ropes?

Q22. What is the maximum rope tension allowed on a shackle used to support a suspension rope?

Q23. What is the maximum rope tension allowed on a choked sling used to support a suspension rope?

Q24. Where two trolleys are used to support a swing stage, how would you stop them from spreading?

Q25. When a drum-type scaffolding hoist is at its lowest point, how many full turns of rope should remain on the drum?

Q26. With a fully-loaded drum-type scaffolding hoist, how far should the drum flange extend beyond the built-up rope?

Q27. When a climber-type scaffolding hoist is at its lowest point, what is the minimum length of spare rope?

Q28. Would you use bulldog grips to secure a suspension rope?

Q29. What type of suspended scaffold does not need a protective device for each scaffolding hoist?

Q30. What type of scaffolding hoist must be fitted with a load limiting device?

VOCCEED
VOCCEED
VOCCEED

PART 2 — ANSWER GUIDE

Each question is repeated with its answer. Use this section as a learning reference to build your understanding before your VOC assessment.

SECTION 1 — HUNG SCAFFOLDS & COMPONENTS

Q1. Would you use open-ended hook-rods to construct a hung scaffold?

A. No.

Q2. What is the minimum diameter of flexible steel wire rope you would use to support a hung scaffold?

A. 11 mm.

Q3. Will a Grade (M) chain support a greater or a lesser load than a Grade (T) chain?

A. Lesser — Grade (M) supports a lesser load than Grade (T).

Q4. What is the minimum working load limit for beam clamps, trolleys and shackles used to support a hung scaffold?

A. 500 kg.

Q5. What would you use to protect a flexible steel wire rope from damage when it is fixed around the sharp edges of a beam?

A. Beam chaffers (or half rounds or slit tubes).

Q6. When a ledger is supported in the eye of a sling, how would you stop it from sliding?

A. Fix a coupler on each side.

Q7. How would you stop shackle pins from unwinding?

A. Mouse them.

Q8. What sort of coupler bolt-threads are unsuitable for fixing hung standards?

A. Speed threads (or multi-start threads).

Q9. Would you extend the length of a hung standard by fixing scaffold tubes with end-to-end couplers?

A. No.

SECTION 2 — SUSPENDED SCAFFOLDS & CRADLES

Q10. What is the minimum rated working load for a trolley used to support a suspension rope?

A. 500 kg.

Q11. Would you fix a cradle's working load limit sign to the inside or to the outside of the cradle?

A. To the inside.

Q12. What is the minimum cradle width for a double rope suspended scaffold?

A. 900 mm.

Q13. What is the maximum cradle width for a double rope suspended scaffold?

A. 1.7 m.

Q14. What is the minimum width of a swing stage cradle?

A. 450 mm.

Q15. What is the maximum width of a swing stage cradle?

A. 900 mm.

Q16. What is the minimum width of a work cage?

A. 750 mm.

Q17. What is the maximum width of a work cage?

A. 1.5 m.

Q18. What is the minimum height of a stabilising sheave above the platform of a work cage?

A. 2 m.

SECTION 3 — NEEDLES, COUNTERWEIGHTS & HOISTS

Q19. Would you fix the inboard end of a needle with friction anchors?

A. No.

Q20. Can bags of sand be used to counterweight a needle?

A. No.

Q21. Would you use counterweights to fix a needle which supports two suspension ropes?

A. No.

- Q22. What is the maximum rope tension allowed on a shackle used to support a suspension rope?**
- A. 80% of rated working load (or 80% of SWL).
- Q23. What is the maximum rope tension allowed on a choked sling used to support a suspension rope?**
- A. 40% of rated working load (or 40% of SWL).
- Q24. Where two trolleys are used to support a swing stage, how would you stop them from spreading?**
- A. Connect them with a spacer tie (or spreader bar).
- Q25. When a drum-type scaffolding hoist is at its lowest point, how many full turns of rope should remain on the drum?**
- A. 3.
- Q26. With a fully-loaded drum-type scaffolding hoist, how far should the drum flange extend beyond the built-up rope?**
- A. 2 rope diameters.
- Q27. When a climber-type scaffolding hoist is at its lowest point, what is the minimum length of spare rope?**
- A. 1 m.
- Q28. Would you use bulldog grips to secure a suspension rope?**
- A. No.
- Q29. What type of suspended scaffold does not need a protective device for each scaffolding hoist?**
- A. A double rope suspended scaffold.
- Q30. What type of scaffolding hoist must be fitted with a load limiting device?**
- A. An electrically powered scaffolding hoist.