

Abrasive Wheels — Theory Test

Candidate paper. Answer in ink in your own words.

Name: _____ Employer: _____

Date: _____ Assessor: _____

24 questions. Pass mark 80%. Write your answers in the space provided.

1. What replaced the Abrasive Wheels Regulations 1970?

2. Before fitting a wheel, which two speeds must you compare, and what must be true?

3. What is the ring test and how is it done?

4. Name two types of wheel on which the ring test does NOT work.

5. What is the maximum permitted gap between the work rest and the wheel on a bench grinder?

6. When may the work rest be adjusted?

7. What is the maximum gap between the adjustable tongue guard and the wheel?

8. Why must the work rest and tongue guard be re-adjusted regularly?

9. What must you do immediately after mounting a new wheel, and where should people stand?

10. Describe the correct flanges for mounting a wheel.

11. Why must a wheel never be overtightened?

12. Can you bore out a wheel to fit a larger spindle?

13. Why must a cutting disc never be used for side grinding?

14. Which materials release respirable crystalline silica when cut?

15. What are the two main ways to control silica dust when cutting?

16. What disease does respirable crystalline silica cause, and is it reversible?

17. What is HAVS, and what early symptom must be reported?

18. What standard should impact rated eye protection meet, and who needs it?

19. When should gloves NOT be worn?

20. How should a wheel be brought to a stop?

21. You find a chipped wheel. What do you do with it?

22. Are you allowed to use an abrasive wheel machine without written authorisation?

23. Name three things that would make you stop work immediately.

24. How should abrasive wheels be stored?

Candidate signature	Assessor signature	Score	Date

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