

Interview Assessment: Application for a Gas Service Worker (Restricted) Licence¹

Please note the following in applying for a gas service worker (restricted) licence:

- a. You will be notified to attend an interview to assess your practical experience and competency level. Details of the interview including the date, time and venue will be sent to you via email.
- b. You may assess whether you have the knowledge and experience to perform gas service work by going through the list of sample questions below.
- c. You are expected to stay up-to-date with the relevant statutes, regulations, codes of practice, and mandatory requirements on gas appliances installation and gas safety knowledge.

¹ Disclaimer

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General

Understanding of job scope

1. Describe the scope and role of a licensed gas service worker (restricted).
2. Describe your gas-related work experience.
3. What is the gas appliance's operating pressure that a licensed gas service worker (restricted) allowed to undertake?
4. What is the definition of "gas installation"?
5. What is the definition of "gas service work"?
6. What is the calorific value of town gas?
7. Which part of a flame is the hottest?
8. What is the difference between a pre-aerated and post-aerated flame?
9. How can a gas pipe or gas installation be readily identified?
10. Can an unlicensed worker be engaged to carry out gas service work?
11. Who is the responsible party for maintaining the gas appliances after the licensed gas service worker has tested them to be safe for use?

Gas Safety

12. What is incomplete combustion and what are the consequences?
13. What are the possible causes of incomplete combustion?
14. What measures can be taken to reduce incomplete combustion?
15. When does town gas become harmful?
16. Name the toxic substances of incomplete combustion which are harmful.
17. Describe the scenario of a flash back and explain why it occurs.
18. Describe the scenario of a flame lift and explain why it occurs.
19. Describe the first aid to be rendered to a person who is affected by gas inhalation.
20. In the event of a suspected gas leak, what are the safety precautions to be taken and what is the emergency number to call?

Gas appliance and its installation requirements

Gas cooker installation

21. What are the requirements for pre-installation checks prior to replacing a domestic gas cooker?
22. Where can the appliance safety mark be found? If there is no safety mark, is the domestic gas appliance still safe for use? Explain why.
23. Describe the commissioning process for gas cooker hobs and what are the steps that a licensed gas service worker (restricted) need to perform after installing a gas appliance?
24. What are the follow up procedures if a leak is detected in the gas pipe during the soundness test prior to installing a gas cooker hob?
25. Describe the basic working principle and the safety features of a domestic gas hob.
26. Describe the installation process for gas cooker hobs.

Other gas appliances installation

27. Describe the gas safety briefing that must be conducted after the installation, testing, maintenance or repair of gas appliances.
28. What is the requirement for gas installations in air-conditioned premises?
29. Describe the proper and standard method of installing flexible tubing to gas appliances.
30. Describe the working principle and the safety features of a commercial gas appliance.
31. What is the desired incoming gas supply pressure for operating a gas appliance?

Installation safety

32. What is the compliance standard for flexible tubing?
33. Explain the purpose of a gas meter control valve. Explain the purpose of a gas safety shut-off valve.

34. Describe the test process for affected joints.
35. What is the testing equipment to be used for soundness test and explain why this testing equipment is used?
36. Describe the main components and functions of the testing equipment.
37. Describe the use of the U-gauge and its set-up process.

Gas meter and supply

38. Describe the steps involved and safety precautions to be taken in removing/fixing a gas meter for residential premises.
39. Explain the purpose of issuing a Statement of Turn-on to a customer or representatives after successfully turning on gas supply.

Regulation and Codes

40. What are the installation requirements under the Gas (Supply) Regulations that a gas service worker (restricted) need to comply with for gas appliance installations?
41. Under the Gas (Supply) Regulations, what must a licensed gas service worker (restricted) do after commissioning gas appliances?
42. Can a worker carry out gas service work under the supervision of a Licensed Gas Service Worker (restricted)? Which regulation supports this?
43. Upon completion of the installation and testing of gas appliances, what should be issued to a gas consumer? State which regulation of the Gas (Supply) Regulations for this requirement and the penalty for non-compliance.