

End-point Assessment

Sample Practice Assessment

Please write clearly in block capitals below	
Company Name	
Forename (s)	
Last name (s)	
Date of Birth	
Apprentice number	
Apprentice signature	
Date of Knowledge Test	

Level: 2
Standard: Gas Network Team Leader
Pathway: Service Layer
Duration: 1 hour 30 minutes

Materials

For this paper you must have:

- Pens
- Calculators and reference documents are not needed

Instructions

- Use black or blue ink or black ball-point pen
- Fill in the boxes at the top of this page
- Answer **all** questions

- There are questions, possible answers as well as a column for you to mark your answer
- Mark your answer with an against the possible answer you think is correct- if you wish to change your answer please put a line through and re-select with another
- Only one answer per question allowed. Answers which do not follow the rules of choice will be disallowed. This may affect the grade awarded
- Do all rough work in this answer book, spare paper is provided in this answer booklet and can be used but **MUST NOT** be removed
- Additional spare paper will not be supplied
- All questions are closed book

Sample:

London is the capital of....

Example Question		
London is the capital of...		
Possible answers		Answer
a)	Wales	<input checked="" type="checkbox"/>
b)	Scotland	<input type="checkbox"/>
c)	Northern Ireland	<input type="checkbox"/>
d)	England	<input checked="" type="checkbox"/>

Information

- There are 30 sample questions
- There will be 50 questions in the knowledge assessment
- **There are two questions marked as Safety Critical in this sample. There will be five in the knowledge assessment. Failure to correctly answer these questions will result in a failure being awarded.**
- All questions should be attempted

Advice

- You are not permitted to leave the examination room for the duration of the assessment
- Do not spend too long on one question
- Read all questions thoroughly before starting your examination
- Mobile phones and watches must not be taken into the examination room. The examination must be conducted under examination conditions i.e., you may not speak to other candidates, if you have a problem raise your hand and the invigilator will attend
- Cheating: you will be asked to leave the examination room and will be classified an automatic failure and referred to your employer

Do not turn over the page or commence the knowledge test until the invigilator instructs you to

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DO NOT DETACH

Spare paper for to use for calculations or working out

Question 1

What is the maximum operating pressure, in millibars (mbar), of a low-pressure service?

Possible answers		Answer
a)	25 mbar	
b)	45 mbar	
c)	50 mbar	
d)	75 mbar	

Question 2

What must be confirmed when joint quality is checked?

Possible answers		Answer
a)	The fitting has moved	
b)	Wire has been extruded from the ends of the fitting	
c)	Melted material has been extruded from the ends of the fitting	
d)	The fusion indicators have risen	

Question 3		
Which ONE of the following statements applies to medium-pressure services?		
Possible answers		Answer
a)	They must not be made from polyethylene (PE)	
b)	They must not be made from steel	
c)	They must not be installed inside a property	
d)	They must not be above ground	

Question 4		
Where service connections are being made to PVC mains, which ONE of the following must be used?		
Possible answers		Answer
a)	A hot tapping machine which includes the cutter	
b)	A full encirclement fitting with a valve connected	
c)	A metal tap tee	
d)	A polyethylene (PE) tapping tee	

Question 5 – SAFETY CRITICAL

What is the first priority when you encounter a gas escape?

Possible answers		Answer
a)	Find and secure the escape	
b)	Safeguard life	
c)	Isolate the supply	
d)	Test the installation for tightness	

Question 6

If the pressure test shows a failure of the tapping tee, what action should you take?

Possible answers		Answer
a)	Cut off the stack to prevent any future use	
b)	Leave the tapping tee in place	
c)	Remove the faulty tapping tee	
d)	Re-heat the fitting	

Question 7

Which ONE of the following statements applies to ducting used for gas services?

Possible answers		Answer
a)	It must be perforated	
b)	It must be black in colour	
c)	It must be impervious to gas	
d)	It must be green in colour	

Question 8

Which of the following statements applies to service fittings?

Possible answers		Answer
a)	The fittings should be stored in boxes until ready for use on site	
b)	The fittings should be stored in plastics bags until ready for use	
c)	Fittings should not be stored on site	
d)	There are no requirements for the storage of fittings	

Question 9

What is the maximum diameter, in millimetres (mm), of a service pipe that can be inserted into a 1" service?

Possible answers		Answer
a)	16 mm	
b)	20 mm	
c)	25 mm	
d)	32 mm	

Question 10 – SAFETY CRITICAL

When disconnecting metallic services, which ONE of the following must be fitted across the section of pipe to be removed?

Possible answers		Answer
a)	An earth wire	
b)	Damp cloths on either side of the cut-out	
c)	Damp cloths that touch the ground, on either side of the cut-out	
d)	A temporary continuity bond	

Question 11

Thinking about the five steps to risk assessment, which ONE of the following is the correct sequence of activity order?

Possible answers		Answer
a)	Identify hazards, assess the risk, who might be harmed, record findings, review	
b)	Who might be harmed, assess the risk, identify hazards, record findings, review	
c)	Identify hazards, who might be harmed, assess the risk, record findings, review	
d)	Assess the risk, identify hazards, who might be harmed, record findings, review	

Question 12

Which ONE of the following regulations places a responsibility on organisations for reporting safety-related incidents?

Possible answers		Answer
a)	Provision and use of working equipment (PUWER)	
b)	Reporting of injuries, Diseases and Dangerous Occurrences Regulations 2013 (RIDDOR)	
c)	Confined Spaces Regulations	
d)	Gas Safety Management Regulations	

Question 13

For a service pipe 25 millimetres in diameter and 8 metres in length, what is the purge duration?

Possible answers		Answer
a)	1 second	
b)	4 seconds	
c)	6 seconds	
d)	8 seconds	

Question 14

When purging a service pipe, which ONE of the following readings should be recorded at the purge point to confirm the purge is complete?

Possible answers		Answer
a)	2 x >90% gas in air (GIA)	
b)	1 x >90% GIA	
c)	2 x 100% GIA	
d)	2 x >90% of the lower explosive limit (LEL)	

Question 15

Which ONE of the following statements applies to a meter box installed on an external wall?

Possible answers		Answer
a)	It must not be on the same wall as a flue	
b)	It must not be near drains	
c)	It must not bridge a damp-proof course	
d)	It must not be within 2 metres of an airbrick	

Question 16

Where a service terminates in the basement or cellar, which ONE of the following must be fitted outside the property?

Possible answers		Answer
a)	Service isolation valve	
b)	Emergency control valve	
c)	Excess flow valve	
d)	House entry tee	

Question 17

Before starting a purging operation, which ONE of the following must be deployed on a site?

Possible answers		Answer
a)	Fire extinguisher	
b)	1 x 9 kg dry-powder fire extinguisher and 'no smoking' signs	
c)	2 x 9 kg dry-powder fire extinguishers and 'no smoking' signs	
d)	'No smoking' signs	

Question 18

Under the Health and Safety at Work Act (1974), which ONE of the following duties applies to the employee?

Possible answers		Answer
a)	Read notice boards or bulletins	
b)	Maintain a safe working environment	
c)	Always follow directions from supervisors and management	
d)	Complete jobs to time and price	

Question 19

When moving / lifting items, what is the first option requested by the Manual Handling Operations Regulations 1992?

Possible answers		Answer
a)	Avoid hazardous manual handling operations, as far as reasonably practicable	
b)	Assess the weight of the load	
c)	Reduce the weight of the load	
d)	Share the lifting task	

Question 20

Which ONE of the following best defines a confined space?

Possible answers		Answer
a)	Any space by virtue of its enclosed nature there arises a risk	
b)	Any enclosed space as indicated by a risk assessment.	
c)	Any space with an access opening smaller than 450mm x 400 mm	
d)	Any space which by its enclosed nature, there arises a foreseeable specified risk	

Question 21

What must vehicles, used for streetwork activities, be equipped with?

Possible answers		Answer
a)	Roof-mounted flashing lights	
b)	Amber flashing lights	
c)	Rear chevron markings and 'amber' flashing lights	
d)	High-visibility rear chevron markings and 'amber' flashing lights	

Question 22

Why must a pre-excavated trench on a building site be checked?

Possible answers		Answer
a)	To ensure it is safe to work in	
b)	To check for stones, bricks and concrete in the side walls	
c)	To check it is a minimum of 400 mm in width	
d)	To check it is the correct depth to the onsite surface level	

Question 23

A piece of equipment is leaking oil on to the ground. What action should be taken?

Possible answers		Answer
a)	Wipe up the leak and report it	
b)	Contain the leak, clean it up and report it	
c)	Wash it away with water and report it	
d)	Clear the room, wipe up the leak and report it	

Question 24

Which ONE of the following is a key risk for developing hand-arm vibrations (HAVs)?

Possible answers		Answer
a)	Air temperature	
b)	Age of the equipment	
c)	Quality of personal protective equipment (PPE)	
d)	Duration of exposure	

Question 25

When using a jackhammer, and there is a need for you to wear hearing protection, which ONE of the following statements applies?

Possible answers		Answer
a)	It is your choice if you wear hearing protection	
b)	The correct colour for wearing hearing protection must be chosen	
c)	Others working close to you must also wear hearing protection	
d)	Only the person operating the jackhammer needs to wear hearing protection	

Question 26

What does 'SWL' mean when printed on lifting equipment?

Possible answers		Answer
a)	Simple working load	
b)	Standard working load	
c)	Statutory working load	
d)	Safe working load	

Question 27

What does a yellow and black sign mean?

Possible answers		Answer
a)	Safe condition	
b)	Acute toxicity	
c)	Environmental risk	
d)	Hazard or danger	

Question 28

What is the purpose of a risk assessment?

Possible answers		Answer
a)	To identify if employees are wearing the correct personal protective equipment (PPE)	
b)	To evaluate hazards, then remove the hazard or minimise the level of its threat	
c)	To ensure tasks are carried out in the correct order	
d)	To protect the employer and employee from prosecution	

Question 29

When a load is too heavy for you to move, and there is no one to help you, what should you do?

Possible answers		Answer
a)	Do not move the load	
b)	Try to lift using the correct lifting technique	
c)	Use a mini excavator, even if you are not trained	
d)	Use kinetic lifting techniques	

Question 30

Which ONE of the following statements applies to reporting incidents and near misses?

Possible answers		Answer
a)	There is no need to report incidents and near misses	
b)	Incidents and near misses must be reported during team briefs or training courses	
c)	Incidents and near misses must be reported as soon as possible	
d)	Incidents and near misses must be reported at the end of the working day	

End of Sample Practice Assessment

Answers

Question	Answer	Question	Answer
1	D	16	A
2	D	17	C
3	C	18	B
4	B	19	A
5 - SC	B	20	D
6	A	21	D
7	A	22	A
8	B	23	B
9	B	24	D
10 - SC	D	25	C
11	A	26	C
12	B	27	D
13	D	28	B
14	A	29	A
15	C	30	C