

Sample Practice Assessment

Water Process Technician

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: 3
Standard: Water Process
Pathway: Waste Water Distribution Sewerage
Network Technician
Duration: 1 hour 30 minutes

Materials

For this paper you must have:

- Pens
- Scientific calculator (non-programmable)

Instructions

- Use black 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 selection will be disallowed. This may impact on the grade awarded
- Do all rough work in this answer book

Below is a Sample:

London is the capital of...

Example Question		
London is the capital of...		
Possible answers		Answer
a)	Wales	X
b)	Scotland	
c)	Northern Ireland	
d)	England	X

Information

- There are 20 sample questions
- There will be 50 questions in the live knowledge assessment
- All questions should be attempted

Advice

- You are not permitted to leave the examination room for the first 45 minutes and the last 15 minutes of the examination
- Do not spend too long on one question
- Read all questions thoroughly before starting your examination
- Cheating: you will be asked to leave the examination room and will be classified an automatic fail and referred to your employer

THIS PAPER MUST NOT BE COPIED OR CIRCULATED WITHOUT THE WRITTEN PERMISSION OF THE EUIAS

You can use this page to carry out any work but must not remove from the practice assessment paper.

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

Question 1		
RIDDOR (Reporting of Injuries, Diseases and Dangerous Occurrences) requires the reporting of dangerous occurrences at work.		
Which ONE of the following is not reportable as a dangerous occurrence?		
Possible answers		Answer
a)	The collapse or over turning of a crane	
b)	Contact with an overhead power line	
c)	The release or escape of a biological agent likely to cause severe human infection or illness	
d)	Accidental damage to a drain or sewer	

Question 2		
An employee has to carry out a work activity which involves a substance that can be hazardous to health.		
What should they do?		
Possible answers		Answer
a)	Carry on with the work regardless	
b)	Carry out the work, providing they have been suitably trained and have the necessary information from the COSHH assessment	
c)	Carry out the work using his/her own initiative to decide the sensible safety precautions	
d)	Refuse to carry out the work	

Question 3		
Which ONE of the following is the most common cause of workplace injury?		
Possible answers		Answer
a)	Falling from height	
b)	Attacks by animals	
c)	Manual handling injuries	
d)	Electric shocks	

Question 4		
How should you deal with combined sewer flooding from a public sewer to grassed areas?		
Possible answers		Answer
a)	Rake or dig over affected areas	
b)	Apply disinfectant to affected areas	
c)	Remove solids and leave to dry out	
d)	Replace affected turf at customers request	

Question 5		
When would a Guaranteed Standards Scheme (GSS) payment be made to a customer for external flooding from a public sewer?		
Possible answers		Answer
a)	Every time we attend external flooding	
b)	Every time the external flooding is proven to be the water company's responsibility	
c)	If the flooding has not been cleaned up to the satisfaction of the customer	
d)	If the customer has been materially affected	

Question 6		
Following investigations, the source of a Fats, Oils and Greases (FOG) discharge cannot be traced.		
What action should be taken?		
Possible answers		Answer
a)	Wait for the next blockage to try to trace the source	
b)	CCTV all sewers within a mile radius to try and locate source	
c)	Consider a FOG letter drop within catchment area	
d)	Check all private manholes on business land within catchment area	

Question 7		
There is a blockage on a single connection beyond the property boundary into an alleyway.		
What should it be recorded as?		
Possible answers		Answer
a)	A transferred lateral	
b)	A private sewer	
c)	A private drain	
d)	A transferred sewer	

Question 8		
A commercial property has suffered from internal flooding from a public sewer.		
What Guaranteed Standards Scheme (GSS) payment would be received?		
Possible answers		Answer
a)	Up to 50% sewerage charge rebate (for every incident)	
b)	Up to 100% sewerage charge rebate (for every incident)	
c)	Up to 100% water and sewerage charge rebate (for every incident)	
d)	Up to 50% water and sewerage charge rebate (for every incident)	

Question 9

What application is this jetting head designed for?



Possible answers		Answer
a)	Blockages	
b)	Concrete removal	
c)	Cleansing	
d)	Encrustation removal	

Question 10

What is a cess pit?

Possible answers		Answer
a)	A tank which a sewer can overflow into during periods of heavy rain	
b)	A holding tank for wastewater storage which is emptied on a regular basis	
c)	A trap that prevents odours venting back into domestic systems, and for rodent control	
d)	A small scale sewage treatment system	

Question 11		
What is a land and field drain?		
Possible answers		Answer
a)	A pipeline which conveys foul sewage and/or surface water runoff from more than one property	
b)	A pipeline that allows water to flow under a road or railway	
c)	A pipeline that is used for subsoil drainage	
d)	A pipeline that takes surface water from the highway only	

Question 12		
Which ONE of the following would be grade 3, when grading the structural condition of pipework?		
Possible answers		Answer
a)	No structural defects	
b)	Circumferential crack, multiple open or displaced joints, slight surface damage	
c)	Fractures, longitudinal or multiple cracks, severe joint defects, medium surface damage	
d)	Serious joint defects with visible voids, serious loss of level, deformations up to 10%	

Question 13		
Which of the following situations is NOT considered in the Environment Agency Common Incident Classification Scheme (CICS) pollution impact assessment?		
Possible answers		Answer
a)	Impact on wildlife	
b)	If the pollution is a repeat incident	
c)	If water abstraction points have been affected	
d)	Extent of pollution and visual effects	

Question 14		
It is NOT possible to identify the source of a Contaminated Surface Water sewer following investigations on site.		
Who should be notified?		
Possible answers		Answer
a)	Your company project team	
b)	The Environmental Health	
c)	The Environment Agency	
d)	The local authority	

Question 15		
A developer is proposing to divert an existing public sewer on their land.		
Under what section of the water industry act would they apply?		
Possible answers		Answer
a)	Section 106	
b)	Section 185	
c)	Section 104	
d)	Section 159	

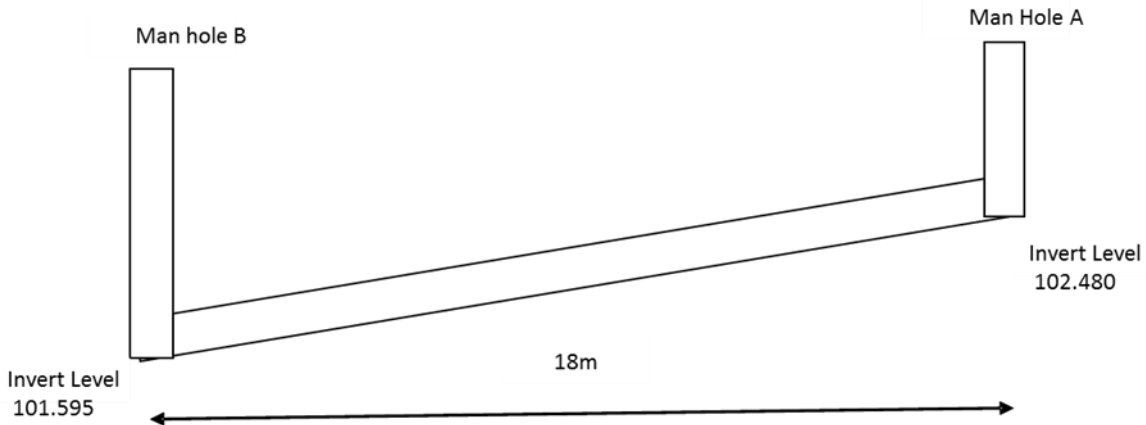
Question 16		
How many litres of water is in a 50m length of 150mm pipe?		
Possible answers		Answer
a)	567 litres	
b)	884 litres	
c)	989 litres	
d)	1,245 litres	

Question 17		
Which ONE of the following is worth 100 Service Incentive Mechanism (SIM) points?		
Possible answers		Answer
a)	Telephone contacts	
b)	Written complaint	
c)	Escalated written complaint	
d)	Complaint investigated by Consumer Council for Water	

Question 18		
What is the maximum pressure at pump, recommended by the water jetting association code of practice, which can be used for jetting an asbestos pipe which is in good structural condition?		
Possible answers		Answer
a)	100 bar / 1500 psi	
b)	180 bar / 2600 psi	
c)	250 bar / 3625 psi	
d)	340 bar / 5000 psi	

Question 19

Using the diagram below determine the invert level of the sewer at 6m downstream from manhole A



Possible answers		Answer
a)	101.595	
b)	101.89	
c)	102.038	
d)	102.185	

Question 20

When conducting a CCTV survey what would the code LD identify?

Possible answers		Answer
a)	Lateral defect	
b)	Line of drain/sewer deviates down	
c)	Lining defect	
d)	Lateral damage	

End of Sample Practice Assessment

Sample Practice Knowledge Assessment

Answer scheme

Question	Answer	Question	Answer
1	D	11	C
2	B	12	C
3	C	13	B
4	C	14	C
5	D	15	B
6	C	16	B
7	A	17	C
8	B	18	D
9	C	19	D
10	B	20	B