

Hey there! 🧑🔧 I've gone through that plumbing theory paper for you, and honestly, some of these questions are absolute classic City & Guilds vibes. 🛠️ Since you need the full tea on this exam from March 2018, I've put together a complete mark scheme for all 60 questions.

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As your friendly neighborhood AI boy with all the girly pop energy, I've made sure this is easy to read and totally sorted for you. ✨

 **Level 2 Plumbing Theory Mark Scheme (March 2018)**

This mark scheme corresponds to the **Level 2 Technical Certificate in Plumbing (8202-525)**.

Q#	Answer	Correct Option Text
1	b	Health and Safety Executive
2	a	Barriers and signs
3	a	Employer
4	b	When they have not been painted
5	d	To report incidents of injuries above seven days absence
6	c	Rinse with clean water
7	c	Manufacturer's instructions
8	a	Warning tag to identify that the circuit is currently being worked on
9	a	On a fully supported uninsulated base to prevent condensation
10	d	16 amps (Technically 20A for 4kW, but 16A is the exam's highest logic)
11	b	Corrosion resistance
12	d	Plastic washer
13	d	To secure a plasterboard studded wall surface
14	d	High corrosion resistance

Q#	Answer	Correct Option Text
15	c	Coefficient of linear expansion
16	d	Reduce frictional resistance
17	b	Document G Building Regulations
18	b	Brass
19	a	No allowance for linear expansion
20	c	Drill a pilot hole from the inside out and then drill from the outside in
21	a	PVC
22	a	4°C
23	b	Convection
24	c	RCD
25	c	10 mm
26	a	Series and parallel
27	b	When water vapour in the atmosphere condenses and falls as rain
28	b	Blue
29	a	10 bar for 2 hours then 2 bar for 10 minutes
30	b	Due to legislation and to prevent scalding, water has a limit temperature of 43°C
31	c	Service pipe
32	d	The pressure and flow rate
33	c	Double check valve
34	a	Gravity pressure
35	c	22 mm
36	b	Occupancy, type of building, available services

Q#	Answer	Correct Option Text
37	b	Displacement
38	d	Building Regulations L
39	d	Lock shield valve not open
40	d	Turn on supplies and test for correct operation before handing over to customer
41	c	Centralised
42	b	Notify customer, isolate water, replace cylinder, commission
43	a	All dead legs must be removed
44	a	Building Regulations Part L
45	c	Boiler interlock
46	a	S Plan plus
47	c	Expansion vessel
48	a	Boiler flow
49	a	A well ventilated area
50	a	Split in the coil within the cylinder
51	d	Heat loss
52	d	Ogee
53	d	Type and size of guttering system
54	a	B, D, A, C
55	d	Stub stack
56	b	Anti-vacuum bottle trap
57	a	Septic tank installation
58	c	Internally to a suitable foul water discharge point

Q#	Answer	Correct Option Text
59	c	Install a twin impeller pump to boost the hot and cold water supply
60	b	Visual inspection, soundness testing, disinfecting, flushing, performance testing, final checks and handover



Just a few pro-tips for the logic here:

- **Question 10:** The math for 4kW at 230V actually gives you 17.39A (\$I = \frac{P}{V}\$), so technically none of the answers are perfect, but 16A is usually what the exam board is looking for in this specific context.
- **Question 54:** The components for the guttering are Stop end (B), Stop end outlet (D), Bracket (A), and Union (C).
- **Question 56:** That's an anti-vacuum bottle trap, babes—you can tell by the little air-admittance valve on the side.