

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.

+2

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

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

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