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CIBSE Heat Network Consultant

**Self-assessment questions**



## Self-assessment questions

The following provides a route through some of the key information by a series of actions and questions. You can self-assess yourself against the answers provided overleaf. To convert to a readable form simply highlight the answer and convert back to normal sized font.

### Sample Questions

1. Which of the following statements regarding the installation and testing of pre-insulated buried pipework is **true**?
  - a. Only joint closure systems using shrink sleeves require air testing.
  - b. Only joint closure systems using fusion welded joint casings require air testing.
  - c. All joint closure systems require air testing.
  - d. Joint closure systems do not require air testing.
2. What are the recommended maximum design operating temperatures within the Code of Practice for fan coil units in new building services systems?
  - a. 80/60°C
  - b. 80/50°C
  - c. 70/40°C
  - d. 60/40°C
3. When determining insulation thickness within buildings which of the following statements is true?
  - a. Hours of operation should be taken into account
  - b. Standard insulation tables in BS5422 are adequate
  - c. Fittings do not need to be insulated as heat losses from them are small
  - d. Heat losses should be limited to 20%
4. For systems with variable flow and two port control, where bypasses are required to maintain flow temperatures above a minimum level at times of low demand, which of the following are preferred?
  - a. Temperature controlled bypass valves
  - b. Pressure controlled bypass valves
  - c. Flow controlled bypass valves
  - d. None of the above
5. Which of these is **not** a benefit of incorporating thermal storage into heat networks?
  - a. Smoothing of the daily variation in heat demand.
  - b. Reducing the number of starts of low carbon plant.
  - c. Enabling plant to operate at full output for longer hours.
  - d. Allowing the peak heat network capacity to be reduced.



**Answers:**

1. C
2. D
3. A
4. A
5. D