1. What insulation is **most** commonly used on a concrete suspended ground floor?
   
   a) Sheeps wool.
   b) Multi-foil roll.
   c) Fibre glass quilts.
   d) Polyisocyanurate sheets.

   **Response:** _____________________________

2. What term is used to describe money held back on a project to cover the cost of any possible defects?

   a) Penalty clause.
   b) Investment sum.
   c) Staged payment.
   d) Retention sum.

   **Response:** _____________________________
3 Referring to Figure 1, a lead time of three weeks is required when ordering roof trusses. What is the last date they can be ordered?

a) 9 May.
b) 30 May.
c) 2 June.
d) 9 June.

Response: __________________________

4 What is the main purpose of a toolbox talk?

a) To provide information on staff benefits.
b) To provide information on salary issues.
c) To provide information on safety issues.
d) To provide information on career goals.

Response: __________________________

5 What is the main reason to have cartridge guns serviced regularly?

a) They are expensive and will last longer.
b) They are dangerous and could injure someone.
c) They will void warranty if not looked after.
d) They speed up progress and need to be reliable.

Response: __________________________
6 What is the component shown in Figure 2?

   a) Flue.
   b) Cowl.
   c) Fire back.
   d) Throat unit.

Response: ____________________________
7 Identify the main Health and Safety regulation that is applied to the following
   a) Scaffolding (1 mark)

   b) reporting an accident (1 mark)

   c) working with flammable materials. (1 mark)

8 a) Explain two advantages and one disadvantage of using Computer Aided Design (CAD) programs to traditional manual methods. (3 marks)

   b) Explain why written dimensions should be prioritised over scaled dimensions on a drawing. (2 marks)

9 Identify four common defects found in masonry structures. (4 marks)
10 Describe how strongboys can be used when forming an opening in a masonry structure. (2 marks)

11 Explain how to setting out a diagonal basket panel. (10 marks)
An external wall has a vertical crack as shown in Figure 3. Discuss the probable causes, investigation method and monitoring and suggest a suitable remedy and repair. (12 marks)