** Design & Technology**

**Marking out Techniques**

**Materials required for questions**

* Pencil
* Rubber
* Calculator

**Instructions**

* Use black ink or ball-point pen
* Try to answer all questions
* Use the space provided to answer questions
* Calculators can be used if necessary
* For the multiple choice questions, circle your answer

**Advice**

* Marks for each question are in brackets
* Read each question fully
* Don’t spend too much time on one question

**Good luck!**

**Q1.** Which one of the following would you use to mark out a line on a piece of wood?

**A** Pencil

**B** Scriber

**C** Spirit pen

**Q2.** Which one of the following would you use to draw a circle on a sheet of acrylic?

**A** Pair of compasses

**B** Dividers

**C** Odd-leg callipers

**Q3.** What would you use to mark an irregular shape on a timber plank?

**A** Jig and pencil

**B** Template and pencil

**C** Former and pencil

**Q4.** Which one of the following would you use to draw a right-angled line to a sheet of paper?

**A** Try square

**B** Set square

**C** Ruler

**Q5.** Name two marking out tools that could have been used to make the joint shown in the image below. **(2 marks)**

**A black and white drawing of a rectangular object

Description automatically generated**

**Q6.** A steel panel needs a circular hole to be cut from the sheet metal as shown by the image below.

**A drawing of a white rectangular object with a circle in the middle

Description automatically generated**

Name the two tools needed to mark the centre of the hole and the circle. **(2 marks)**

**Answers**

**Q1.** A **Q2.** B **Q3.** B

**Q4.** B

**Q5.**

* Mortise gauge
* Steel rule
* Try square
* Marking knife

**Q6.**

* Centre punch
* Dividers