**Design & Technology**

**Design Decisions**

**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.** Below is a drawing of a storage rack for letters.

Complete the third angle orthographic projection by adding a side view and isometric drawing of the shape in the boxes provided **(5 marks)**

Diagram

Description automatically generated with low confidence

Background pattern

Description automatically generated

**Answers**

**Q1.**

Side view:

* Shape is correct (1st or 3rd angle/reward mirror image/either way round – see below) (1)
* Hole hidden detail (use of dotted lines) is correct (1)
* Look for a ‘J’ shape

Diagram, engineering drawing

Description automatically generatedChart, diagram, box and whisker chart

Description automatically generated

* Isometric drawing: NB Image is indicative of correct image from one corner only. A candidate may have drawn shape correctly from a different view point and full credit is available if it satisfies the criteria below.
* Drawing must be isometric, not perspective, oblique etc.
* General shape is correct (slope and holes etc) (1)
* Slope on front section drawn correct way round (1)
* Holes are in correct place (1)

Diagram, engineering drawing

Description automatically generated