Technical Drawing

Sample Questions

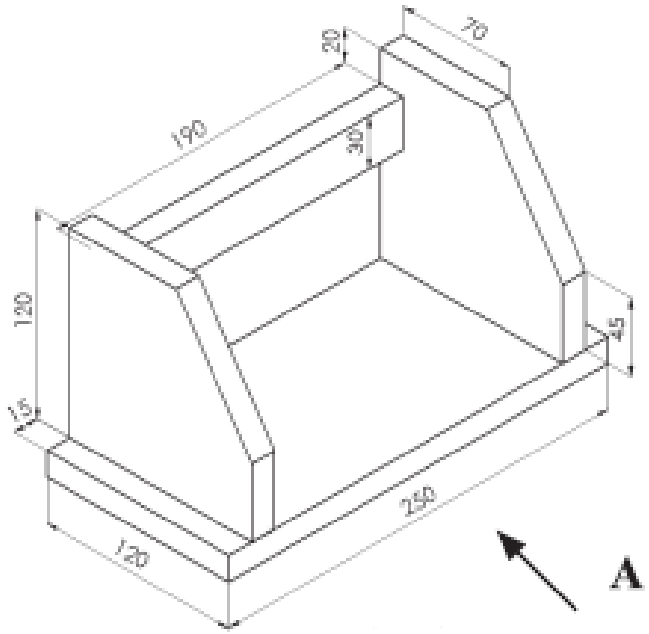
Ordinary Level

2. The diagram shows a pictorial drawing of a book shelf. All material is 15 mm thick.

(i) Draw, full size, a **Front Elevation** looking in the direction of arrow **A**.

(ii) Project an **End Elevation** from this view.

(iii) Include **four** main dimensions on the drawing, showing clearly dimension lines and arrowheads.



Ordinary Level

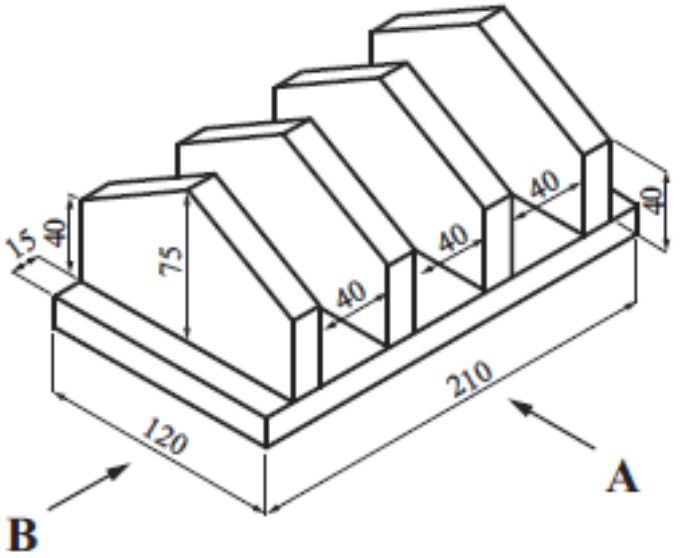
2. The diagram shows a pictorial drawing of a small toast rack.
All material is **15mm** thick.

(i) Draw, full size, a **Front Elevation** looking in the direction of arrow **A**.

(ii) Project an **End Elevation** from this view.

(iii) Include **four** main dimensions on the drawing.

Show clearly all dimension lines and arrowheads.



Ordinary Level

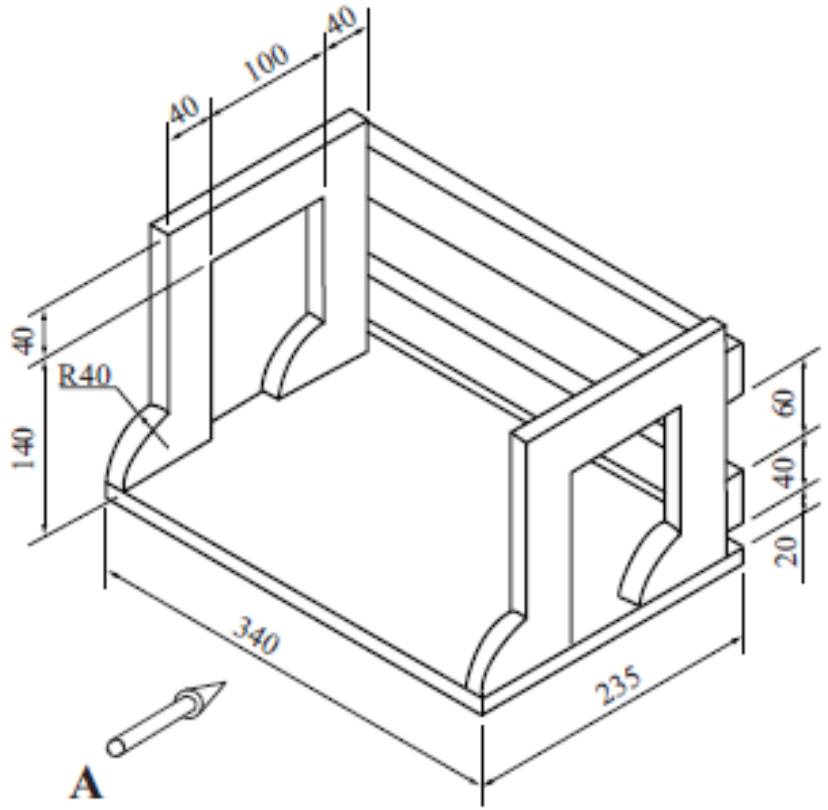
2. The diagram shows a pictorial drawing of a CD rack.
All material is **15mm** thick.

(i) Draw, full size, a **Front Elevation** looking in the direction of arrow **A**.

(ii) Project an **End Elevation** from this view.

(iii) Include **four** main dimensions on the drawing.

Show clearly, the dimension lines, arrowheads, etc.



Ordinary Level

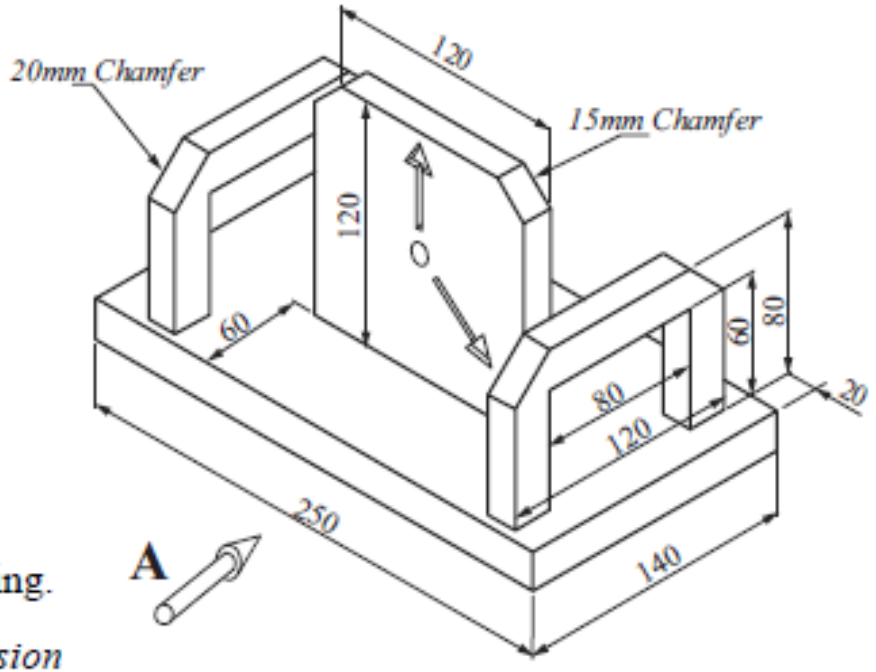
2. The diagram shows a pictorial drawing of a clock. All material is **15mm** thick. The clock face is located equal distance from both ends.

(i) Draw, full size, a **Front Elevation** looking in the direction of arrow **A**.

(ii) Project an **End View** from this elevation.

(iii) Include **four** main dimensions on the drawing.

Show clearly, the dimension lines, arrowheads, etc.



Ordinary Level

2. The diagram shows a pictorial drawing of an egg holder.

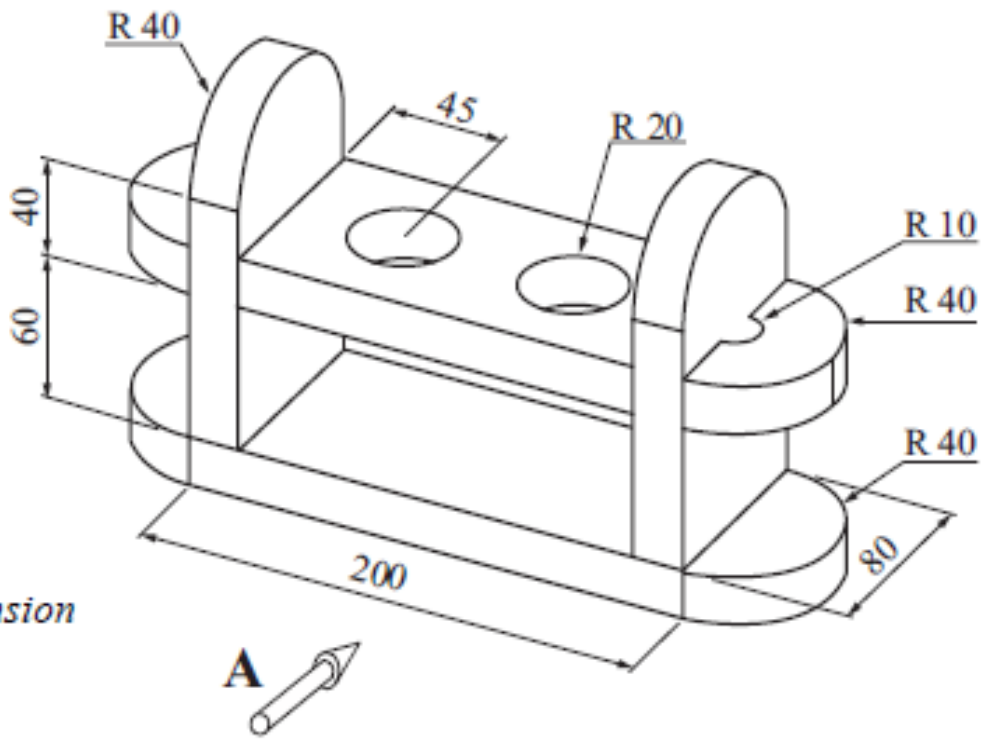
All material is **20mm** thick.

(i) Draw, full size, a **Front Elevation** looking in the direction of arrow **A**.

(ii) Project an **End View** from this elevation.

(iii) Include **four** main dimensions.

Show clearly, the dimension lines, arrowheads, etc.



Ordinary Level

2. The diagram shows an isometric drawing of a storage rack.

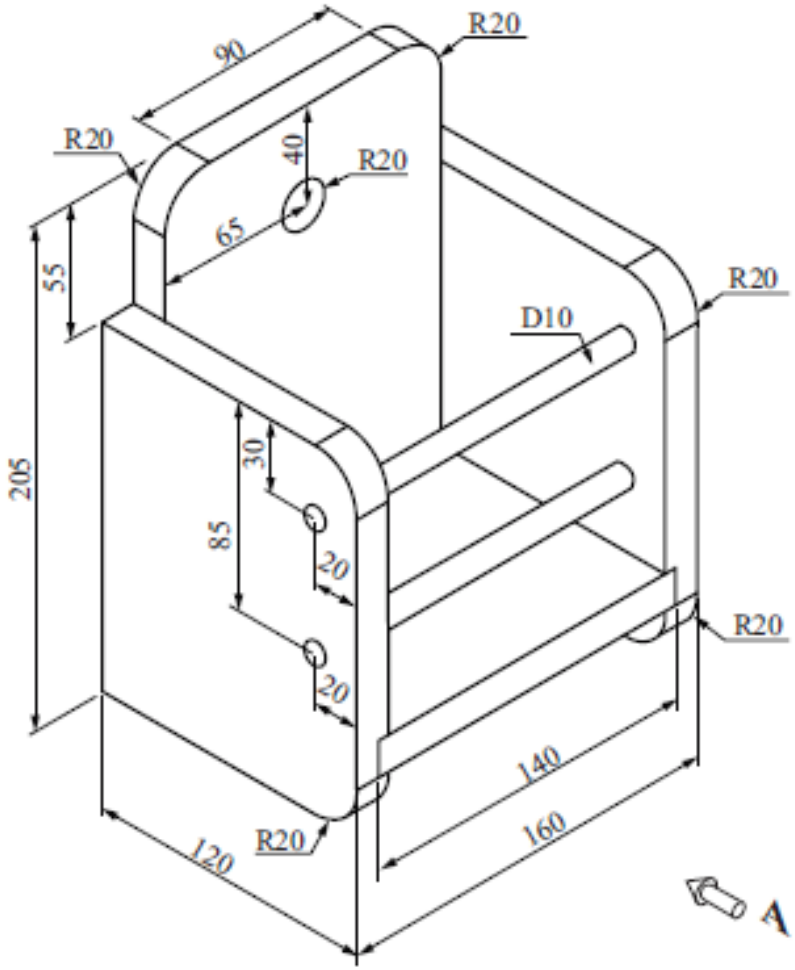
All material is **15mm** thick.

(i) Draw, full size, a **Front Elevation** looking in the direction of arrow **A**.

(ii) Project an **End View** from the elevation.

(iii) Include **four** main dimensions.

Show clearly, the dimension lines, arrowheads, etc.



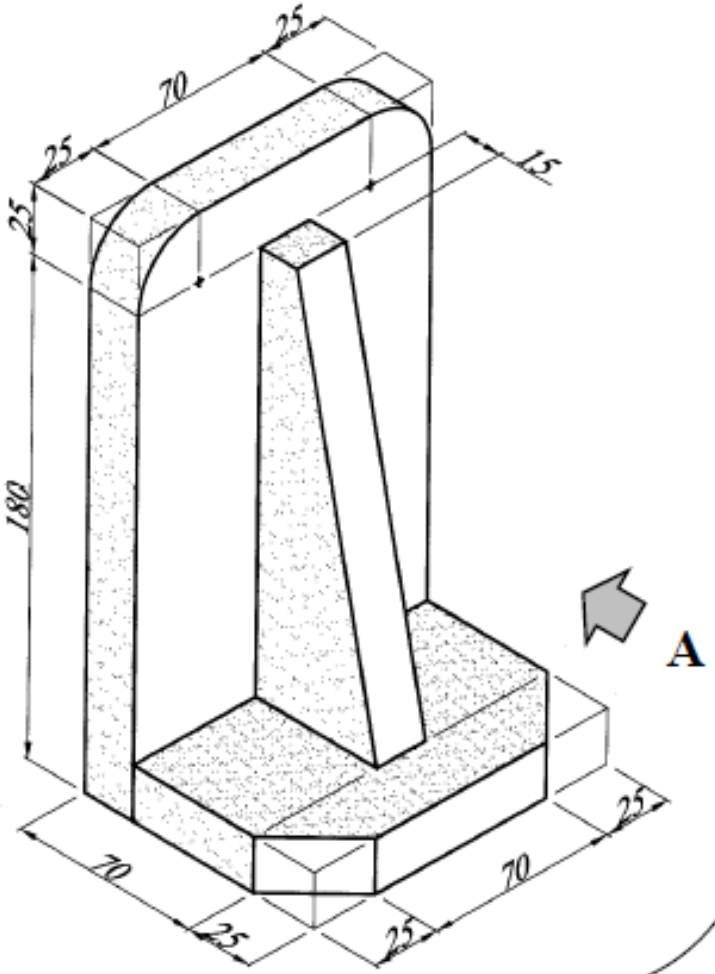
Ordinary Level

2. The diagram shows a pictorial drawing of a bookend. All material is **20mm** thick.

(i) Draw, full size, a **Front Elevation** looking in the direction of arrow **A**.

(ii) Project an **End Elevation** from this view.

(iii) Include **four** main dimensions on the drawing, showing clearly dimension lines and arrowheads.



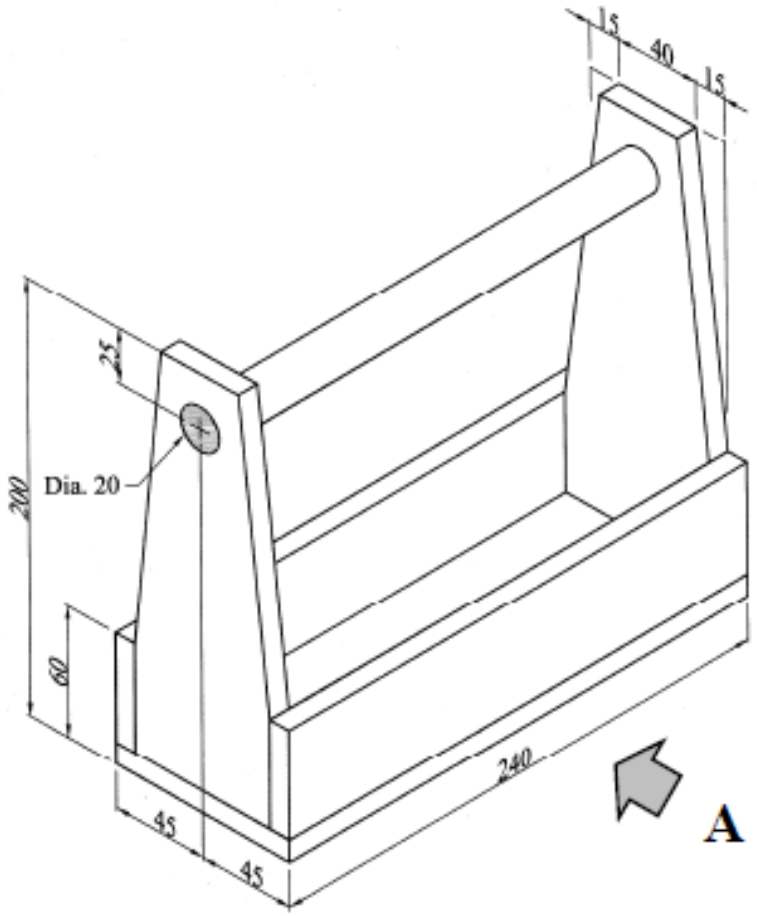
Ordinarv Level

2. The diagram shows a pictorial drawing of a toolbox, for storing small household tools. All material is **10mm** thick.

(i) Draw, full size, a **Front Elevation** looking in the direction of arrow **A**.

(ii) Project an **End Elevation** from this view.

(iii) Include **four** main dimensions on the drawing, showing clearly dimension lines and arrowheads.



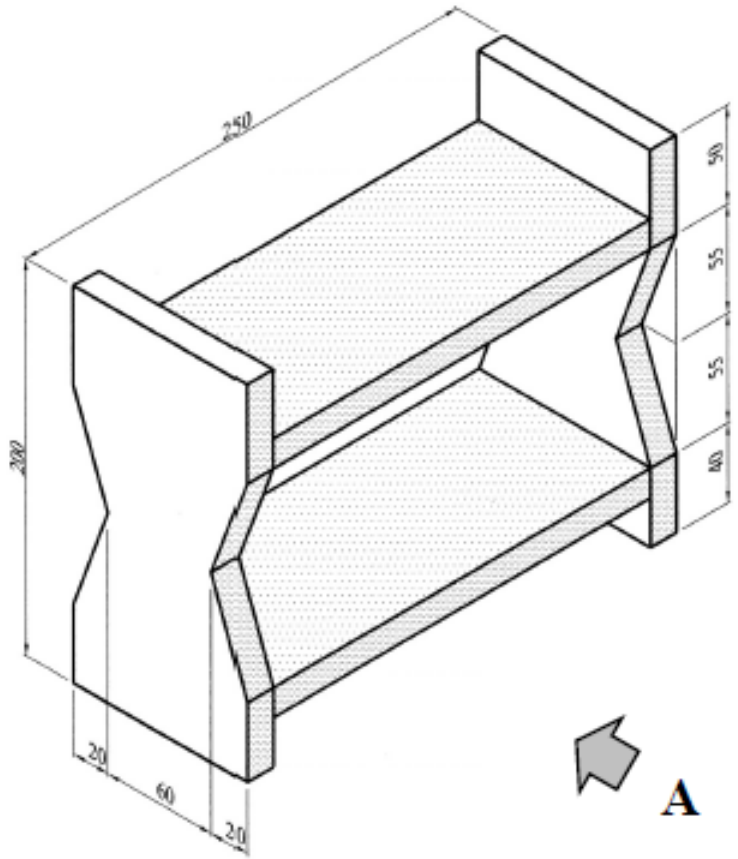
Ordinary Level

2. The diagram shows a pictorial drawing of a small display shelf. All material is **15mm** thick.

(i) Draw, full size, a **Front Elevation** looking in the direction of arrow **A**.

(ii) Project an **End Elevation** from this view.

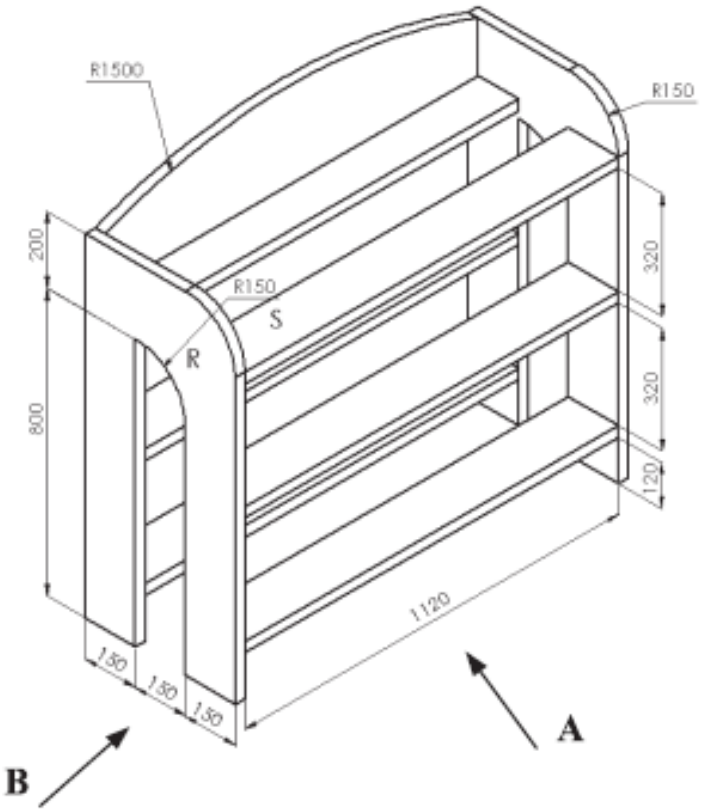
(iii) Include **four** main dimensions on the drawing, showing clearly dimension lines and arrowheads.



Higher Level

1. The diagram shows a dimensioned isometric drawing of a bookshelf.

All material is 30mm thick.



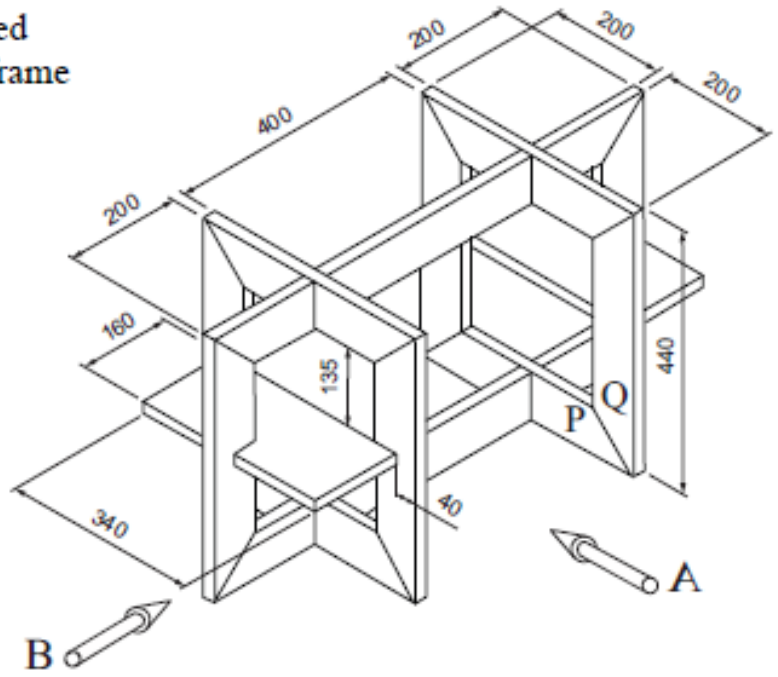
(i) To a scale of 1:4, draw a **front elevation** of the bookshelf looking in the direction of arrow **A** and an **end elevation** looking in the direction of arrow **B**. Include **FOUR** main dimensions in your drawing.

(ii) With the aid of notes and *neat freehand sketches*, describe a suitable method of joining the members **R** and **S**.

Higher Level

1. The diagram shows a dimensioned isometric drawing of a wooden frame for a coffee table.

Material dimensions
80mm × 20mm



(i) To a scale of 1:4, draw a **front elevation** of the wooden frame looking in the direction of arrow **A** and an **end elevation** looking in the direction of arrow **B**. Include **FOUR** main dimensions on your drawing.

(ii) With the aid of notes and ***neat freehand sketches***, describe a suitable method of joining the members **P** and **Q**.

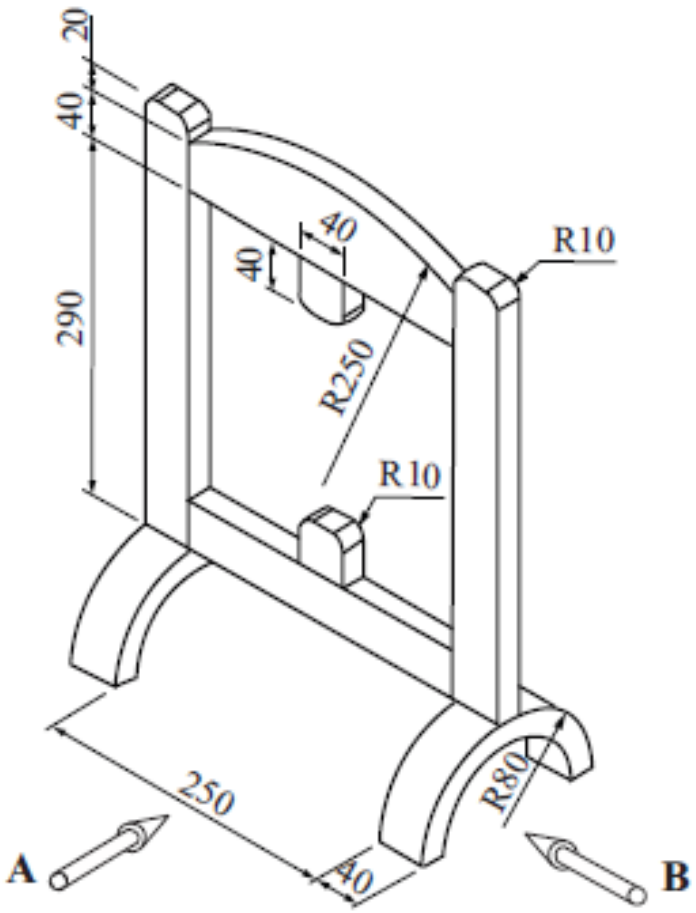
Higher Level

1. The diagram shows a dimensioned isometric drawing of a wooden mirror frame.

Frame Material: 40mm × 20mm.

(i) To a scale of 1:2, draw a **front elevation** of the mirror looking in the direction of arrow **A** and an **end elevation** looking in the direction of arrow **B**.
Include **FOUR** main dimensions on your drawing.

(ii) With the aid of notes and ***neat freehand sketches***, describe a suitable method of jointing the curved legs to the frame.



Higher Level

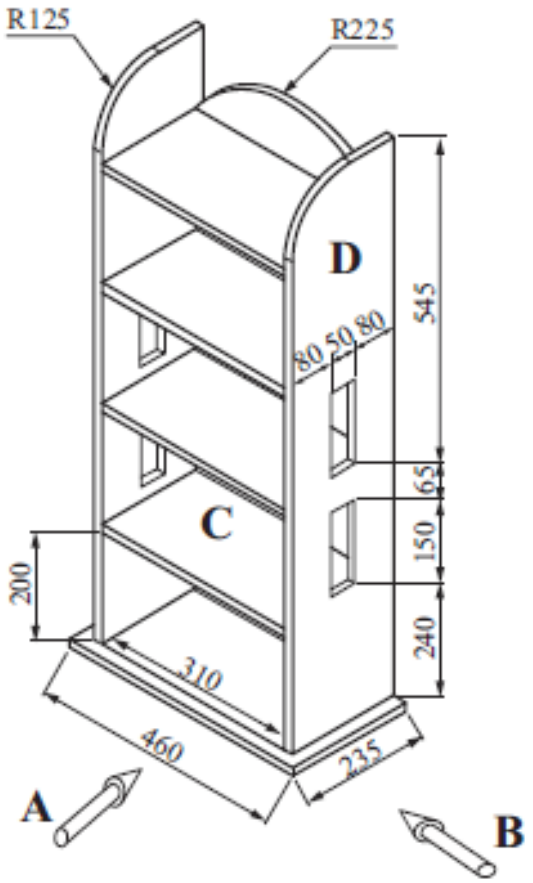
1. The diagram shows a dimensioned isometric drawing of a shelving unit.

Material: 15mm thick
The shelves are all equally spaced.

(i) To a scale of 1:4, draw a **front elevation** of the shelving unit looking in the direction of arrow **A** and an **end elevation** looking in the direction of arrow **B**.

Include **FOUR** main dimensions on your drawing.

(ii) With the aid of notes and ***neat freehand sketches***, describe a suitable method of jointing shelf **C** to the side **D**.



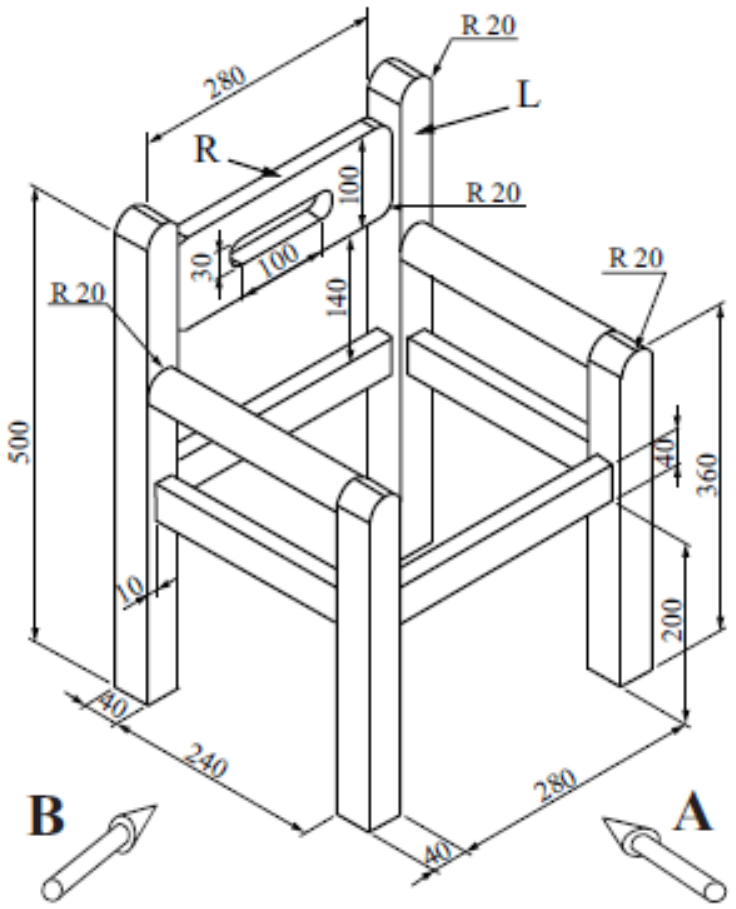
Higher Level

1. The diagram shows a dimensioned isometric drawing of a small wooden chair frame.

   (i) To a scale of 1:4, draw a **front elevation** of the chair frame looking in the direction of arrow **A** and an **end elevation** looking in the direction of arrow **B**.

   Include **FOUR** main dimensions on your drawing.

   (ii) With the aid of notes and *neat freehand sketches*, describe a suitable method of jointing the leg **L** to the back **R**.



All Rail Material: 20mm thick

Higher Level

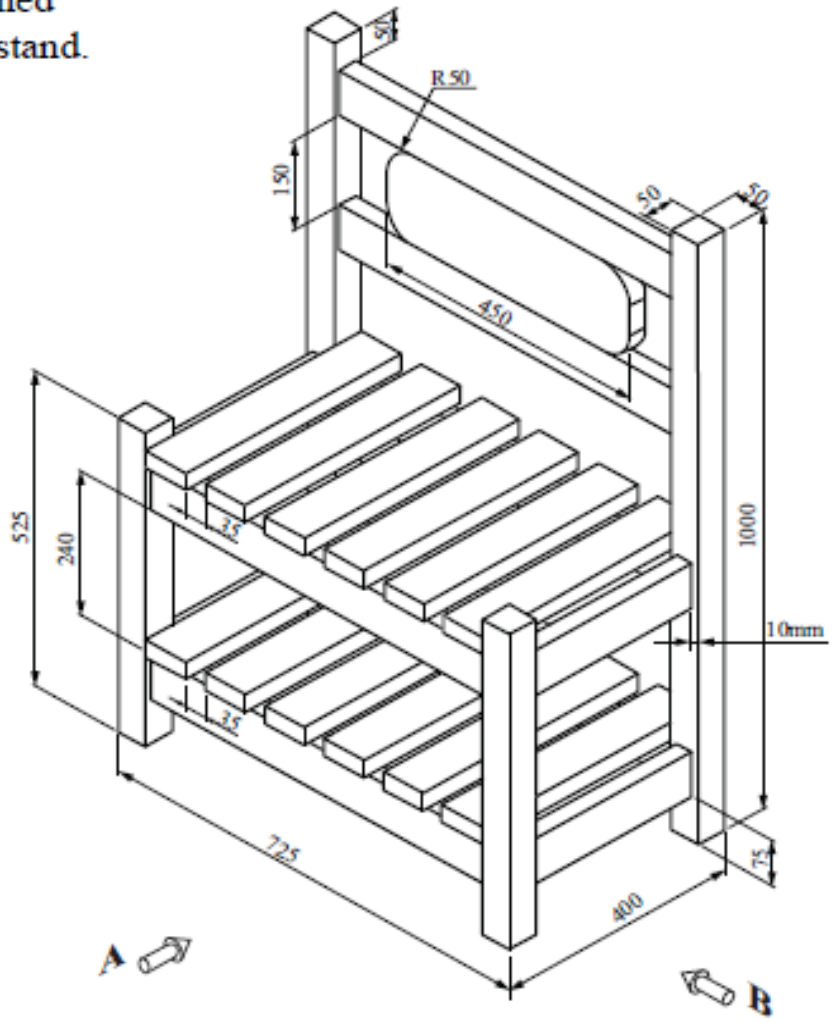
1. The diagram shows a dimensioned isometric drawing of a display stand.

All Material: 75mm x 30mm.
(unless otherwise stated)

(i) To a scale of 1:5, draw a **front elevation** of the display stand looking in the direction of arrow **A** and an **end elevation** looking in the direction of arrow **B**.

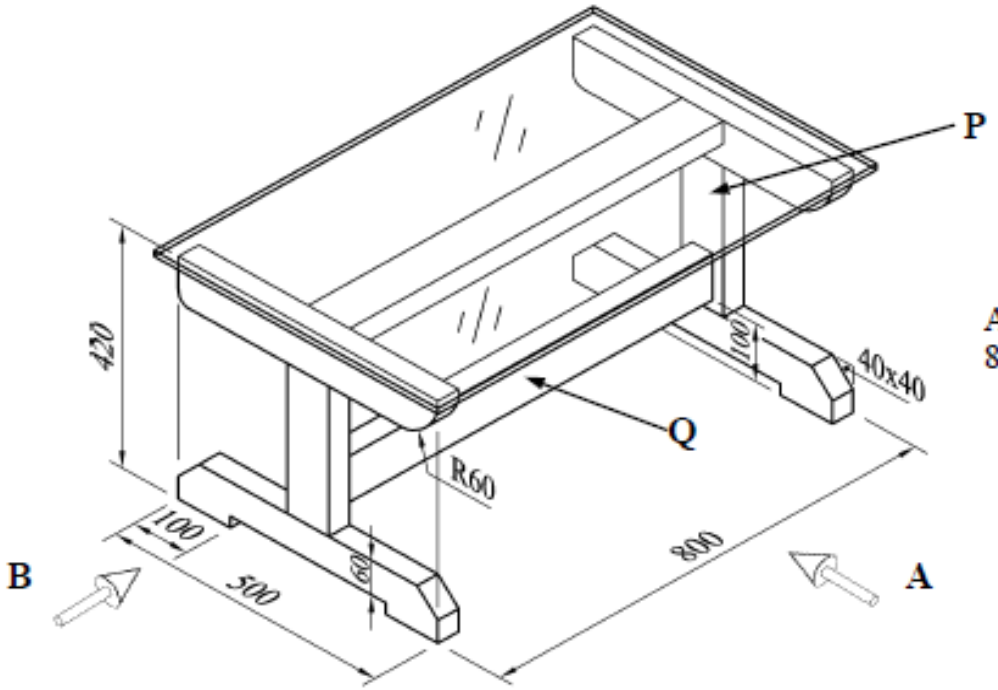
Include **FOUR** main dimensions on your drawing.

(ii) With the aid of notes and ***neat freehand sketches***, describe a suitable method of jointing the legs to the rails.



Higher Level

1. The diagram shows a dimensioned isometric drawing of a coffee table manufactured from oak. The table has a 12mm thick glass top.



All material is 80 mm x 40 mm

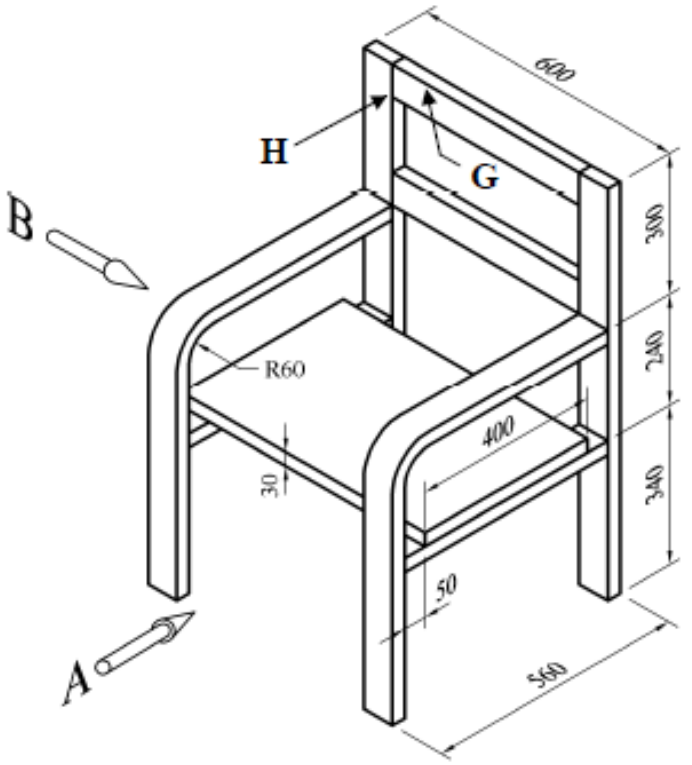
(i) To a scale of 1:4, draw a Front Elevation of the table looking in the direction of arrow **A** and an End Elevation looking in the direction of arrow **B**. Include **FOUR** main dimensions on your drawing.

(ii) With the aid of notes and *neat freehand sketches*, describe a suitable method of joining the members **P** and **Q**.

Higher Level

1. The diagram shows a dimensioned isometric drawing of a wooden chair.

All frame material is 70mm x 30mm



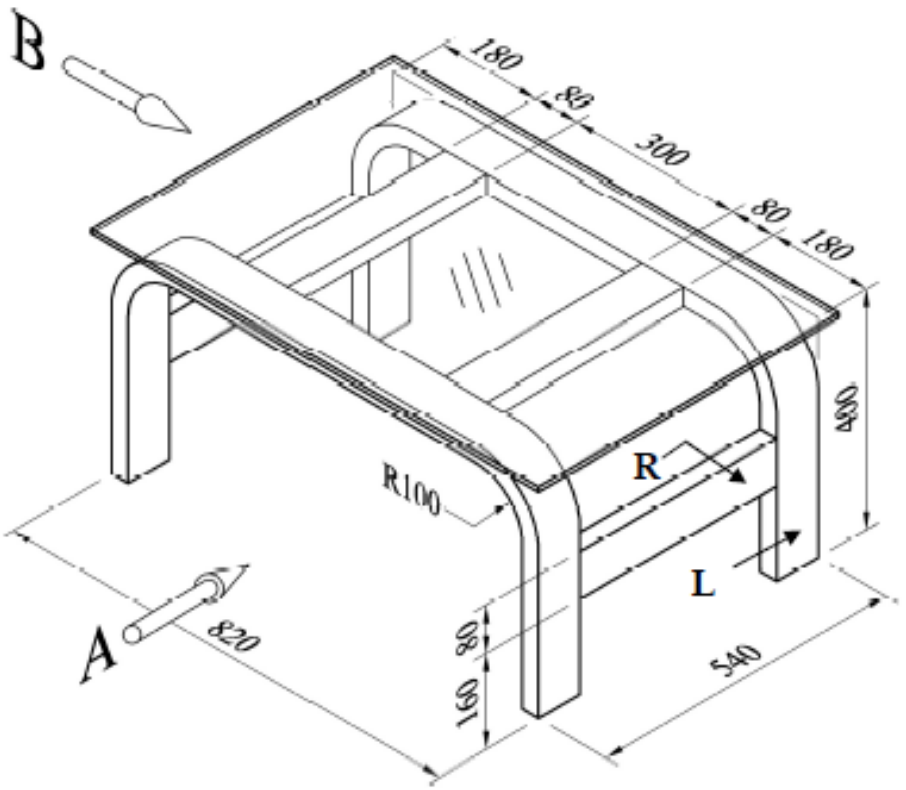
(i) To a scale of 1:4, draw a **front elevation** of the chair looking in the direction of arrow **A** and an **end elevation** looking in the direction of arrow **B**.
Include **FOUR** main dimensions on your drawing.

(ii) With the aid of notes and *neat freehand sketches*, describe a suitable method of joining the members **G** and **H**.

Higher Level

1. The diagram shows a dimensioned isometric drawing of a coffee table consisting of a wooden frame and a glass top.

All frame material is 80mm x 32mm



(i) To a scale of 1:4, draw a **front elevation** of the wooden frame looking in the direction of arrow **A** and an **end elevation** looking in the direction of arrow **B**. Include **FOUR** main dimensions on your drawing.

(ii) With the aid of notes and *neat freehand sketches*, describe a suitable method of joining the members **R** and **L**.