

# Commentary on candidate evidence

The candidate evidence has achieved the following marks for each section of this assignment.

## Candidate 1

The candidate has achieved **45/50 marks**.

### Task 1 (a) (i) – Related orthographic drawing of the base (part 1)

The candidate was awarded **5 marks** because:

- ◆ they have accurately modelled the bosses (**1 mark**).
- ◆ they have accurately modelled the rest of the base (part 1) (**1 mark**).
- ◆ they have produced three related views in the correct orientation as per the data sheet (**1 mark**).
- ◆ they have produced an enlarged partial view of the plan view of the bosses (**1 mark**).
- ◆ they have included sufficient dimensions to allow for manufacture (**1 mark**).

### Task 1 (a) (ii) – Related orthographic drawing of the salt and pepper top (part 3)

The candidate was awarded **6 marks** because:

- ◆ they have accurately modelled the top half of the salt and pepper top (part 3), the shell is not considered in this mark (**1 mark**).
- ◆ they have accurately modelled the bottom half of the salt and pepper top (part 3), the shell is considered in this mark and is correct (**1 mark**).
- ◆ they have produced three related views in the orientation as per the data sheet (**1 mark**).
- ◆ they have produced an auxiliary view in the direction of surface X (**1 mark**).
- ◆ they have produced an enlarged partial view showing detail of the semi-circular notch with a relevant dimension (**1 mark**).
- ◆ they have included sufficient dimensions to allow for manufacture (**1 mark**).

### Task 1 (b)

The candidate was awarded **5 marks** because:

- ◆ they have accurately modelled the salt and pepper bottom (part 2) (**1 mark**).
- ◆ they have accurately modelled the table number plate (part 4) (**1 mark**).
- ◆ they have produced a suitable sectional elevation through cutting plane X-X (**1 mark**).
- ◆ they have produced a suitable stepped sectional end elevation through cutting plane Y-Y (**1 mark**).

- ◆ they have produced a suitable enlarged partial view showing how the salt and pepper top (part 3) and salt and pepper bottom (part 2) join (**1 mark**).

### **Task 1 (c) – Exploded isometric of assembly**

The candidate was awarded **2 marks** because:

- ◆ they have produced an exploded view that is isometric (**1 mark**).
- ◆ they have ensured correct alignment, spacing and order of components with no overlaps (**1 mark**).

### **Task 1 (d) – Standards and conventions**

The candidate was awarded **3 marks** because:

- ◆ they have included evidence of linear, radial, diameter and angular dimensions (**1 mark**).
- ◆ their template includes three different examples of appropriate information to include in a title block (**1 mark**).
- ◆ they have evidence of all views being labelled a minimum of one per view (**1 mark**).

### **Task 2 (a) – Final copy of two-fold menu**

The candidate was awarded **13 marks** because:

- ◆ they have created correct structure, proportion and taken notice of the fold (**1 mark**).
- ◆ they have included the company logo on panel B2, a minimum of two CMYK colours other than CMYK colour 1, one background image on panel B2 and at least two other café images (**1 mark**).
- ◆ they have used CMYK colour 1 on panel A2 following the shape stipulated on the data sheet (**1 mark**).
- ◆ they have used the copy text on the stipulated panels, made use of the sub-headings and have used the footers correctly (**1 mark**).
- ◆ they have not correctly identified effective use of rhythm (**0 marks**).
- ◆ they have correctly identified effective use of alignment (**1 mark**).
- ◆ they have correctly identified effective use of shape and texture (**2 marks**).
- ◆ they have made effective use of the pull quote (**1 mark**).
- ◆ they have made effective use of cropping (**1 mark**).
- ◆ they have made effective use of two contrasting fonts (**1 mark**).
- ◆ they have shown a high level of skill that provides significant visual impact (**3 marks**).

### **Task 2 (b) – Rendered pictorial illustration**

The candidate was awarded **9 marks** because:

- ◆ they have included the menu holder assembly and all STEP files in the scene. They have been suitably scaled relative to each other and are correctly sited on a surface (**1 mark**).
- ◆ they have positioned the models similarly to that shown on the data sheet (**1 mark**).

- ◆ they have applied appropriate materials/ colours to the STEP files and menu holder, taking notice of the specification lists (**1 mark**).
- ◆ they have correctly applied the decal. The material chosen from the table number plate (part 4) makes the decal difficult to see, but it is there (**1 mark**).
- ◆ they have produced the two viewpoints to an appropriate scale in both renders (**1 mark**).
- ◆ they have shown skilled application of lighting, highlights, and shadows (**2 marks**).
- ◆ the render output quality has a high level of clarity with no pixelation and grain visible in the rendered views (**2 marks**).

### **Task 3 (a) – Pictorial sketch**

The candidate was awarded **0 marks** because:

- ◆ The sketch is highly inaccurate. The box is not square, the handle is not centred, and the height is not proportional to the rest of the box. (**0 marks**)

### **Task 3 (b) – Orthographic sketch**

The candidate was awarded **2 marks** because:

- ◆ Parts are sketched with some level of skill and are in good proportion. It is an accurate and realistic representation of the travel mug, though the handle is too small and the base is angled slightly. The end elevation view is not required. (**2 marks**).

## Candidate 2

The candidate has achieved **29/50 marks**.

### Task 1 (a) (i) – Related orthographic drawing of the base (part 1)

The candidate was awarded **3 marks** because:

- ◆ they have accurately modelled the bosses (**1 mark**).
- ◆ they have not accurately modelled the rest of the base (part 1) (**0 marks**).
- ◆ they have produced three related views in the correct orientation as per the data sheet (**1 mark**).
- ◆ they have produced an enlarged partial view of the plan view of the bosses (**1 mark**).
- ◆ they have not included sufficient dimensions to allow for manufacture (**0 marks**).

### Task 1 (a) (ii) – Related orthographic drawing of the salt and pepper top (part 3)

The candidate was awarded **5 marks** because:

- ◆ they have accurately modelled the top half of the salt and pepper top (part 3), the shell is not considered in this mark (**1 mark**).
- ◆ they have accurately modelled the bottom half of the salt and pepper top (part 3), the shell is considered in this mark and is correct (**1 mark**).
- ◆ they have produced three related views in the orientation as per the data sheet (**1 mark**).
- ◆ they have produced an auxiliary view in the direction of surface X (**1 mark**).
- ◆ they have produced an enlarged partial view showing detail of the semi-circular notch with a relevant dimension (**1 mark**).
- ◆ they have not included sufficient dimensions to allow for manufacture (**0 marks**)

### Task 1 (b)

The candidate was awarded **3 marks** because:

- ◆ they have modelled the salt and pepper bottom (part 2) accurately (**1 mark**).
- ◆ they have accurately modelled the table number plate (part 4) (**1 mark**).
- ◆ they have not produced a suitable stepped sectional end elevation through cutting plane X-, the plane is placed incorrectly on the plan view (**0 marks**).
- ◆ they have not produced a suitable stepped sectional end elevation through cutting plane Y-Y, the chain overlaps the elevation view (**0 marks**).
- ◆ they have produced a suitable enlarged partial view showing how the salt and pepper top (part 3) and salt and pepper bottom (part 2) join (**1 mark**).

### Task 1 (c) – Exploded isometric of assembly

The candidate was awarded **2 marks** because:

- ◆ they have produced an exploded view that is isometric (**1 mark**).
- ◆ they have ensured correct alignment, spacing and order of components with no overlaps (**1 mark**).

### Task 1 (d) – Standards and conventions

The candidate was awarded **2 marks** because:

- ◆ they have included evidence of linear, radial, diameter and angular dimensions (**1 mark**).
- ◆ their template includes three different examples of appropriate information to include in a title block (**1 mark**).
- ◆ they do not have evidence of all views being labelled a minimum of one per view (**0 marks**)

### Task 2 (a) – Final copy of two-fold menu

The candidate was awarded **6 marks** because:

- ◆ they have not taken note of the correct structure, proportion and taken notice of the fold (**0 marks**).
- ◆ they have included the company logo on panel B2, a minimum of two CMYK colours other than CMYK colour 1, one background image on panel B2 and at least two other café images (**1 mark**)
- ◆ they have not used CMYK colour 1 on panel A2 following the shape stipulated on the data sheet (**0 marks**).
- ◆ they have used the copy text on the stipulated panels, made use of the sub-headings and have used the footers correctly (**1 mark**).
- ◆ they have not correctly identified effective use of rhythm (**0 marks**).
- ◆ they have not correctly identified effective use of alignment (**0 marks**).
- ◆ they have correctly identified effective use of shape but not texture (**1 mark**).
- ◆ they have made effective use of the pull quote (**1 mark**).
- ◆ they have made effective use of cropping (**1 mark**).
- ◆ they have made effective use of two contrasting fonts (**1 mark**).
- ◆ they have shown a basic level of skill that provides no visual impact (**0 marks**)

### Task 2 (b) – Rendered pictorial illustration

The candidate was awarded **6 marks** because:

- ◆ they have included the menu holder assembly and all STEP files in the scene. They have been suitably scaled relative to each other and are correctly sited on a surface (**1 mark**).
- ◆ they have positioned the models similarly to that shown on the data sheet (**1 mark**).

- ◆ they have applied appropriate materials/ colours to the STEP files and menu holder, taking notice of the specification lists (**1 mark**).
- ◆ they have correctly applied the decal. The material chosen from the table number plate (part 4) makes the decal difficult to see, but it is there (**1 mark**).
- ◆ they have produced the two viewpoints to an appropriate scale in both renders (**1 mark**).
- ◆ they have shown limited application of lighting, highlights, and shadows (**0 marks**).
- ◆ the render output quality has a good level of clarity with some pixelation and grain visible in the rendered views (**1 mark**).

### **Task 3 (a) – Pictorial sketch**

The candidate was awarded **0 marks** because:

- ◆ The sketch is highly inaccurate. The box is not proportionate, the hole for the handle is not centred nor in isometric. The cup is highly inaccurate, and the divider is incorrect. (**0 marks**)

### **Task 3 (b) – Orthographic sketch**

The candidate was awarded **2 marks** because:

- ◆ Views are sketched with some level of skill and are in good proportion. It is an accurate and realistic representation of the travel mug, though the handle is too short, and the base is rounded slightly. (**2 marks**).

## Candidate 3

The candidate has achieved **33/50** marks.

### Task 1 (a) (i) – Related orthographic drawing of the base (part 1)

The candidate was awarded **4 marks** because:

- ◆ they have not accurately modelled the bosses (**0 marks**).
- ◆ they have accurately modelled the rest of the base (part 1) (**1 mark**).
- ◆ they have produced three related views in the correct orientation as per the data sheet (**1 mark**).
- ◆ they have produced an enlarged partial view of the plan view of the bosses (**1 mark**).
- ◆ they have included sufficient dimensions to allow for manufacture (**1 mark**).

### Task 1 (a) (ii) – Related orthographic drawing of the salt and pepper top (part 3)

The candidate was awarded **5 marks** because:

- ◆ they have accurately modelled the top half of the salt and pepper top (part 3), the shell is not considered in this mark (**1 mark**).
- ◆ they have not accurately modelled the bottom half of the salt and pepper top (part 3), the shell is considered in this mark and is incorrect (**0 marks**).
- ◆ they have produced three related views in the orientation as per the data sheet (**1 mark**).
- ◆ they have produced an auxiliary view in the direction of surface X (**1 mark**).
- ◆ they have produced an enlarged partial view showing detail of the semi-circular notch with a relevant dimension (**1 mark**).
- ◆ they have included sufficient dimensions to allow for manufacture (**1 mark**).

### Task 1 (b)

The candidate was awarded **2 marks** because:

- ◆ they have not modelled the salt and pepper bottom (part 2) accurately (**0 marks**).
- ◆ they have accurately modelled the table number plate (part 4) (**1 mark**).
- ◆ they have produced a suitable stepped sectional end elevation through cutting plane X-X but the chain overlaps the plan view (**0 marks**).
- ◆ they have produced a suitable stepped sectional end elevation Y-Y but it is incorrectly placed (**0 marks**).
- ◆ they have produced a suitable enlarged partial view showing how the salt and pepper top (part 3) and salt and pepper bottom (part 2) join (**1 mark**).

### Task 1 (c) – Exploded isometric of assembly

The candidate was awarded **1 mark** because:

- ◆ they have produced an exploded view that is isometric (**1 mark**).
- ◆ components are overlapping (**0 marks**).

### Task 1 (d) – Standards and conventions

The candidate was awarded **2 marks** because:

- ◆ they have included evidence of linear, radial, diameter and angular dimensions (**1 mark**).
- ◆ their template includes three different examples of appropriate information to include in a title block (**1 mark**).
- ◆ they do not have evidence of all views being labelled a minimum of one per view (**0 marks**)

### Task 2 (a) – Final copy of two-fold menu

The candidate was awarded **10 marks** because:

- ◆ they have created correct structure, proportion and taken notice of the fold (**1 mark**).
- ◆ they have included the company logo on panel B2, a minimum of two CMYK colours other than CMYK colour 1, one background image on panel B2 and at least two other café images (**1 mark**)
- ◆ they have used CMYK colour 1 on panel A2 following the shape stipulated on the data sheet (**1 mark**).
- ◆ they have used the copy text on the stipulated panels, made use of the sub-headings but have used the footers incorrectly (**0 marks**).
- ◆ they have correctly identified effective use of rhythm (**1 mark**).
- ◆ they have correctly identified effective use of alignment (**1 mark**).
- ◆ they have correctly identified effective use of shape and texture (**2 marks**).
- ◆ they have not made effective use of the pull quote (**0 marks**).
- ◆ they have not made effective use of cropping (**0 marks**).
- ◆ they have made effective use of two contrasting fonts (**1 mark**).
- ◆ they have shown a good level of skill that provides some visual impact (**2 marks**)

### Task 2 (b) – Rendered pictorial illustration

The candidate was awarded **8 marks** because:

- ◆ they have included the menu holder assembly and all STEP files in the scene. They have been suitably scaled relative to each other and are correctly sited on a surface (**1 mark**).
- ◆ they have positioned the models similarly to that shown on the data sheet (**1 mark**).
- ◆ they have applied appropriate materials/ colours to the STEP files and menu holder, taking notice of the specification lists (**1 mark**).
- ◆ they have correctly applied the decal. The material chosen from the table number plate (part 4) makes the decal difficult to see, but it is there (**1 mark**).
- ◆ they have not produced the two viewpoints to an appropriate scale in both renders, they are A4 sized on A3 paper and not scaled up as large as asked for (**0 marks**).
- ◆ they have shown skilled application of lighting, highlights, and shadows (**2 marks**).

- ◆ the render output quality has a high level of clarity with no pixelation and grain visible in the rendered views (**2 marks**).

### **Task 3 (a) – Pictorial sketch**

The candidate was awarded **0 marks** because:

- ◆ the sketch is highly inaccurate. The box is not square, the cup is not in the same style of sketch, and the height is not proportional to the rest of the box. (**0 marks**)

### **Task 3 (b) – Orthographic sketch**

The candidate was awarded **1 mark** because:

- ◆ Parts are sketched with a limited level of skill and in some instances demonstrate proportion. It is a reasonable representation of the travel mug, though the handle is not correct and the shape not consistent with the data sheet (**1 mark**).

## Candidate 4

The candidate has achieved **27/50** marks.

### Task 1 (a) (i) – Related orthographic drawing of the base (part 1)

The candidate was awarded **5 marks** because:

- ◆ they have accurately modelled the bosses (**1 mark**).
- ◆ they have accurately modelled the rest of the base (part 1) (**1 mark**).
- ◆ they have produced three related views in the correct orientation as per the data sheet (**1 mark**).
- ◆ they have produced an enlarged partial view of the plan view of the bosses (**1 mark**).
- ◆ they have included sufficient dimensions to allow for manufacture (**1 mark**).

### Task 1 (a) (ii) – Related orthographic drawing of the salt and pepper top (part 3)

The candidate was awarded **4 marks** because:

- ◆ they have accurately modelled the top half of the salt and pepper top (part 3), the shell is not considered in this mark (**1 mark**).
- ◆ they have accurately modelled the bottom half of the salt and pepper top (part 3), the shell is considered in this mark and is correct (**1 mark**).
- ◆ they have produced three related views in the orientation as per the data sheet (**1 mark**).
- ◆ they have produced an auxiliary view in the direction of surface X (**1 mark**).
- ◆ they have produced an enlarged partial view showing detail of the semi-circular notch but have not included a relevant dimension (**0 marks**).
- ◆ they have not included sufficient dimensions to allow for manufacture (**0 marks**)

### Task 1 (b)

The candidate was awarded **5 marks** because:

- ◆ they have modelled the salt and pepper bottom (part 2) accurately (**1 mark**).
- ◆ they have accurately modelled the table number plate (part 4) (**1 mark**).
- ◆ they have produced a suitable stepped sectional end elevation through cutting plane X-X (**1 mark**).
- ◆ they have produced a suitable stepped sectional end elevation through cutting plane Y-Y (**1 mark**).
- ◆ they have produced a suitable enlarged partial view showing how the salt and pepper top (part 3) and salt and pepper bottom (part 2) join (**1 mark**).

### Task 1 (c) – Exploded isometric of assembly

The candidate was awarded **2 marks** because:

- ◆ they have produced an exploded view that is isometric (**1 mark**).
- ◆ they have ensured correct alignment, spacing and order of components with no overlaps (**1 mark**).

### Task 1 (d) – Standards and conventions

The candidate was awarded **2 marks** because:

- ◆ they have included evidence of linear, radial and diameter, however have not included angular dimensions (**0 marks**).
- ◆ their template includes three different examples of appropriate information to include in a title block (**1 mark**).
- ◆ they have evidence of all views being labelled a minimum of one per view (**1 mark**)

### Task 2 (a) – Final copy of two-fold menu

The candidate was awarded **4 marks** because:

- ◆ they have created correct structure, proportion and taken notice of the fold (**1 mark**).
- ◆ they have included the company logo on panel B2, a minimum of two CMYK colours other than CMYK colour 1, one background image on panel B2 and at least two other café images (**1 mark**)
- ◆ they have used CMYK colour 1 on panel A2 following the shape stipulated on the data sheet (**1 mark**).
- ◆ they have not used the copy text on the stipulated panels, made use of the sub-headings and have used the footers correctly (**0 marks**).
- ◆ they have not correctly identified effective use of rhythm (**0 marks**).
- ◆ they have not correctly identified effective use of alignment (**0 marks**).
- ◆ they have not correctly identified effective use of shape and texture (**0 marks**).
- ◆ they have not made effective use of the pull quote (**0 marks**).
- ◆ they have made effective use of cropping (**1 mark**).
- ◆ they have not made effective use of two contrasting fonts (**0 marks**).
- ◆ they have shown a basic level of skill that provides no visual impact (**0 marks**)

### Task 2 (b) – Rendered pictorial illustration

The candidate was awarded **3 marks** because:

- ◆ they have included the menu holder assembly and all STEP files in the scene. They have been suitably scaled relative to each other and are correctly sited on a surface (**1 mark**).
- ◆ they have positioned the models similarly to that shown on the data sheet (**1 mark**).
- ◆ they have not applied appropriate materials/ colours to the STEP files and menu holder, taking notice of the specification lists (**0 marks**).
- ◆ they have correctly applied the decal. The material chosen from the table number plate (part 4) makes the decal difficult to see, but it is there (**1 mark**).
- ◆ they have not produced the two viewpoints to an appropriate scale in both renders, they are A4 sized on A3 paper and not scaled up as large as asked for (**0 marks**).

- ◆ they have shown limited application of lighting, highlights, and shadows in both views (**0 marks**).
- ◆ the render output quality is poor, with significant pixelation and grain visible in the rendered views (**0 marks**).

### **Task 3 (a) – Pictorial sketch**

The candidate was awarded **1 mark** because:

- ◆ There is evidence of some proportion, and the sketch is a reasonable representation of the holder. (**1 mark**)

### **Task 3 (b) – Orthographic sketch**

The candidate was awarded **1 mark** because:

- ◆ Parts are sketched with a limited level of skill and there is some evidence of proportion. It is a reasonable representation of the travel mug (**1 mark**).

## Candidate 5

The candidate has achieved **35/50 marks**.

### Task 1 (a) (i) – Related orthographic drawing of the base (part 1)

The candidate was awarded **5 marks** because:

- ◆ they have accurately modelled the bosses (**1 mark**).
- ◆ they have accurately modelled the rest of the base (part 1) (**1 mark**).
- ◆ they have produced three related views in the correct orientation as per the data sheet (**1 mark**).
- ◆ they have produced an enlarged partial view of the plan view of the bosses (**1 mark**).
- ◆ they have included sufficient dimensions to allow for manufacture (**1 mark**).

### Task 1 (a) (ii) – Related orthographic drawing of the salt and pepper top (part 3)

The candidate was awarded **6 marks** because:

- ◆ they have accurately modelled the top half of the salt and pepper top (part 3), the shell is not considered in this mark (**1 mark**).
- ◆ they have accurately modelled the bottom half of the salt and pepper top (part 3), the shell is considered in this mark and is correct (**1 mark**).
- ◆ they have produced three related views in the orientation as per the data sheet (**1 mark**).
- ◆ they have produced an auxiliary view in the direction of surface X (**1 mark**).
- ◆ they have produced an enlarged partial view showing detail of the semi-circular notch with a relevant dimension (**1 mark**).
- ◆ they have included sufficient dimensions to allow for manufacture (**1 mark**).

### Task 1 (b)

The candidate was awarded **2 marks** because:

- ◆ they have not modelled the salt and pepper bottom (part 2) accurately, there are errors at the point where it joins the base (part 1) (**0 marks**).
- ◆ they have accurately modelled the table number plate (part 4) (**1 mark**).
- ◆ they have not ensured that cutting plane X-X is clear of the plan view, the thick ends overlap at both sides (**0 marks**).
- ◆ they have not produced a suitable stepped sectional end elevation through cutting plane Y-Y (**0 marks**).
- ◆ they have produced a suitable enlarged partial view showing how the salt and pepper top (part 3) and salt and pepper bottom (part 2) join (**1 mark**).

### Task 1 (c) – Exploded isometric of assembly

The candidate was awarded **2 marks** because:

- ◆ they have produced an exploded view that is isometric (**1 mark**).
- ◆ they have ensured correct alignment, spacing and order of components with no overlaps (**1 mark**).

## Task 1 (d) – Standards and conventions

The candidate was awarded **2 marks** because:

- ◆ they have included evidence of linear, radial, diameter and angular dimensions (**1 mark**).
- ◆ their template includes three different examples of appropriate information to include in a title block (**1 mark**).
- ◆ they have not correctly labelled sectional nor detail views (**0 marks**).

## Task 2 (a) – Final copy of two-fold menu

The candidate was awarded **8 marks** because:

- ◆ they have created correct structure, proportion and taken notice of the fold (**1 mark**).
- ◆ they have included the company logo on panel B2, a minimum of two CMYK colours other than CMYK colour 1, one background image on panel B2 and at least two other café images (**1 mark**).
- ◆ they have used CMYK colour 1 on panel A2 following the shape stipulated on the data sheet (**1 mark**).
- ◆ they have correctly used the copy text on the stipulated panels and made correct use of the sub-headings and footers (**1 mark**).
- ◆ they have not correctly identified rhythm (**0 marks**).
- ◆ they have correctly identified effective use of alignment (**1 mark**).
- ◆ they have correctly identified effective use of white space (**1 mark**).
- ◆ they have not made effective use of the pull quote (**0 marks**).
- ◆ they have made effective use of cropping (**1 mark**).
- ◆ they have made effective use of two contrasting fonts (**1 mark**).
- ◆ they have shown a basic level of skill that provides no visual impact (**0 marks**).

## Task 2 (b) – Rendered pictorial illustration

The candidate was awarded **8 marks** because:

- ◆ they have included the menu holder assembly and all STEP files in the scene. They have been suitably scaled relative to each other and are correctly sited on a surface (**1 mark**).
- ◆ they have positioned the models similarly to that shown on the data sheet (**1 mark**).
- ◆ they have applied appropriate materials/ colours to the STEP files and menu holder, taking notice of the specification lists (**1 mark**).
- ◆ they have correctly applied the decal. The material chosen from the table number plate (part 4) makes the decal difficult to see, but it is there (**1 mark**).
- ◆ they have produced the two viewpoints to an appropriate scale in both renders (**1 mark**).
- ◆ they have shown skilled application of lighting, highlights, and shadows (**2 marks**).

- ◆ the render output quality has a good level of clarity with some pixelation and grain visible in the rendered views (**1 mark**).

### **Task 3 (a) – Pictorial sketch**

The candidate was awarded **1 mark** because:

- ◆ the parts have been sketched with a limited level of skill though there is some evidence of proportion. It is a reasonable representation of the drinks cup in its holder. There is evidence of equipment being used, compass points on the opening of the handle, no credit could be given for this part. There are details missing on the back corner of the box. The isometric circles for the lid of the cup are of poor quality (**1 mark**).

### **Task 3 (b) – Orthographic sketch**

The candidate was awarded **1 mark** because:

- ◆ the parts have been sketched with a limited level of skill though there is some evidence of proportion. It is a reasonable representation of the travel mug. The top section of the elevation is inaccurate representation of this part. Evidence of equipment used on the plan, there is a compass point in the centre. Lip on plan not in proportion (**1 mark**).

## Candidate 6

The candidate has achieved **40/50 marks**.

### Task 1 (a) (i) – Related orthographic drawing of the base (part 1)

The candidate was awarded **5 marks** because:

- ◆ they have accurately modelled the bosses (**1 mark**).
- ◆ although there is a minor error, the extension of 10 below the bosses should be 6, they have for the most part accurately modelled the rest of the base (part 1) (**1 mark**).
- ◆ they have produced three related views in the correct orientation as per the data sheet (**1 mark**).
- ◆ they have produced an enlarged partial view of the plan view of the bosses (**1 mark**).
- ◆ they have included sufficient dimensions to allow for manufacture (**1 mark**).

### Task 1 (a) (ii) – Related orthographic drawing of the salt and pepper top (part 3)

The candidate was awarded **6 marks** because:

- ◆ they have accurately modelled the top half of the salt and pepper top (part 3), the shell is not considered in this mark (**1 mark**).
- ◆ they have accurately modelled the bottom half of the salt and pepper top (part 3), the shell is considered in this mark and is correct (**1 mark**).
- ◆ they have produced three related views in the orientation as per the data sheet (**1 mark**).
- ◆ they have produced an auxiliary view in the direction of surface X (**1 mark**).
- ◆ they have produced an enlarged partial view showing detail of the semi-circular notch with a relevant dimension (**1 mark**).
- ◆ they have included sufficient dimensions to allow for manufacture (**1 mark**).

### Task 1 (b)

The candidate was awarded **4 marks** because:

- ◆ they have modelled the salt and pepper bottom (part 2) accurately (**1 mark**).
- ◆ they have accurately modelled the table number plate (part 4) (**1 mark**).
- ◆ they have not ensured that cutting plane X-X is clear of the plan view, the thick ends overlap at both sides (**0 marks**).
- ◆ they have produced a suitable stepped sectional end elevation through cutting plane Y-Y (**1 mark**).
- ◆ they have produced a suitable enlarged partial view showing how the salt and pepper top (part 3) and salt and pepper bottom (part 2) join (**1 mark**).

### Task 1 (c) – Exploded isometric of assembly

The candidate was awarded **2 marks** because:

- ◆ they have produced an exploded view that is isometric (**1 mark**).
- ◆ they have ensured correct alignment, spacing and order of components with no overlaps (**1 mark**).

### Task 1 (d) – Standards and conventions

The candidate was awarded **2 marks** because:

- ◆ they have included evidence of linear, radial, diameter and angular dimensions (**1 mark**).
- ◆ their template includes three different examples of appropriate information to include in a title block (**1 mark**).
- ◆ they have not correctly labelled sectional nor detail views (**0 marks**).

### Task 2 (a) – Final copy of two-fold menu

The candidate was awarded **10 marks** because:

- ◆ they have created correct structure, proportion and taken notice of the fold (**1 mark**).
- ◆ they have included the company logo on panel B2, a minimum of two CMYK colours other than CMYK colour 1, one background image on panel B2 and at least two other café images (**1 mark**).
- ◆ they have used CMYK colour 1 on panel A2 following the shape stipulated on the data sheet (**1 mark**).
- ◆ although they have used the copy text on the stipulated panels and made use of the sub-headings, they have not used the footers correctly, there is no distinction between them and the body text (**0 marks**).
- ◆ they have correctly identified effective use of rhythm (**1 mark**).
- ◆ they have correctly identified effective use of alignment (**1 mark**).
- ◆ they have correctly identified effective use of shape and texture (**2 marks**).
- ◆ they have not made effective use of the pull quote (**0 marks**).
- ◆ they have made effective use of cropping (**1 mark**).
- ◆ they have made effective use of two contrasting fonts (**1 mark**).
- ◆ they have shown a simplistic level of skill that provides limited visual impact (**1 mark**).

### Task 2 (b) – Rendered pictorial illustration

The candidate was awarded **9 marks** because:

- ◆ they have included the menu holder assembly and all STEP files in the scene. They have been suitably scaled relative to each other and are correctly sited on a surface (**1 mark**).
- ◆ they have positioned the models similarly to that shown on the data sheet (**1 mark**).
- ◆ they have applied appropriate materials/ colours to the STEP files and menu holder, taking notice of the specification lists (**1 mark**).

- ◆ they have correctly applied the decal. The material chosen from the table number plate (part 4) makes the decal difficult to see, but it is there (**1 mark**).
- ◆ they have produced the two viewpoints to an appropriate scale in both renders (**1 mark**).
- ◆ they have shown skilled application of lighting, highlights, and shadows (**2 marks**).
- ◆ the render output quality has a high level of clarity with no pixelation and grain visible in the rendered views (**2 marks**).

### **Task 3 (a) – Pictorial sketch**

The candidate was awarded **0 marks** because:

- ◆ the sketch is highly inaccurate. The box is out of proportion, it is far longer to the right. The use of two-point perspective is inconsistent, lines to the right do not go to the right-hand vanishing point. The representation of the cup does not show a Higher level of skill (**0 marks**).

### **Task 3 (b) – Orthographic sketch**

The candidate was awarded **2 marks** because:

- ◆ Parts are sketched with some level of skill and are in good proportion. It is an accurate and realistic representation of the travel mug, though the handle band around the top of the mug is too narrow and the handle top edge is sharp rather than a tangent (**2 marks**).

## Candidate 7

The candidate has achieved **48/50 marks**.

### Task 1 (a) (i) – Related orthographic drawing of the base (part 1)

The candidate was awarded **5 marks** because:

- ◆ they have accurately modelled the bosses (**1 mark**).
- ◆ they have accurately modelled the rest of the base (part 1) (**1 mark**).
- ◆ they have produced three related views in the correct orientation as per the data sheet (**1 mark**).
- ◆ they have produced an enlarged partial view of the plan view of the bosses (**1 mark**).
- ◆ they have included sufficient dimensions to allow for manufacture (**1 mark**).

### Task 1 (a) (ii) – Related orthographic drawing of the salt and pepper top (part 3)

The candidate was awarded **6 marks** because:

- ◆ they have accurately modelled the top half of the salt and pepper top (part 3), the shell is not considered in this mark (**1 mark**).
- ◆ they have accurately modelled the bottom half of the salt and pepper top (part 3), the shell is considered in this mark and is correct (**1 mark**).
- ◆ they have produced three related views in the orientation as per the data sheet (**1 mark**).
- ◆ they have produced an auxiliary view in the direction of surface X (**1 mark**).
- ◆ they have produced an enlarged partial view showing detail of the semi-circular notch with a relevant dimension (**1 mark**).
- ◆ they have included sufficient dimensions to allow for manufacture (**1 mark**).

### Task 1 (b)

The candidate was awarded **5 marks** because:

- ◆ they have accurately modelled the salt and pepper bottom (part 2) (**1 mark**).
- ◆ they have accurately modelled the table number plate (part 4) (**1 mark**).
- ◆ they have produced a suitable sectional elevation through cutting plane X-X (**1 mark**).
- ◆ they have produced a suitable stepped sectional end elevation through cutting plane Y-Y (**1 mark**).
- ◆ they have produced a suitable enlarged partial view showing how the salt and pepper top (part 3) and salt and pepper bottom (part 2) join (**1 mark**).

### Task 1 (c) – Exploded isometric of assembly

The candidate was awarded **2 marks** because:

- ◆ they have produced an exploded view that is isometric (**1 mark**).
- ◆ they have ensured correct alignment, spacing and order of components with no overlaps (**1 mark**).

### Task 1 (d) – Standards and conventions

The candidate was awarded **2 marks** because:

- ◆ they have included evidence of linear, radial, diameter and angular dimensions (**1 mark**).
- ◆ their template includes three different examples of appropriate information to include in a title block (**1 mark**).
- ◆ they have not correctly labelled the auxiliary view (**0 marks**).

### Task 2 (a) – Final copy of two-fold menu

The candidate was awarded **13 marks** because:

- ◆ they have created correct structure, proportion and taken notice of the fold (**1 mark**).
- ◆ they have included the company logo on panel B2, a minimum of two CMYK colours other than CMYK colour 1, one background image on panel B2 and at least two other café images (**1 mark**).
- ◆ they have used CMYK colour 1 on panel A2 following the shape stipulated on the data sheet (**1 mark**).
- ◆ they have correctly used the copy text on the stipulated panels and made correct use of the sub-headings and footers (**1 mark**).
- ◆ they have correctly identified effective use of rhythm (**1 mark**).
- ◆ they have incorrectly identified justification as alignment (**0 marks**).
- ◆ they have correctly identified effective use of shape and texture (**2 marks**).
- ◆ they have made effective use of the pull quote (**1 mark**).
- ◆ they have made effective use of cropping (**1 mark**).
- ◆ they have made effective use of two contrasting fonts (**1 mark**).
- ◆ they have produced an excellent piece of DTP with a high level of skill and significant visual impact (**3 marks**).

### Task 2 (b) – Rendered pictorial illustration

The candidate was awarded **9 marks** because:

- ◆ they have included the menu holder assembly and all STEP files in the scene. They have been suitably scaled relative to each other and are correctly sited on a surface (**1 mark**).
- ◆ they have positioned the models similarly to that shown on the data sheet (**1 mark**).
- ◆ they have applied appropriate materials/ colours to the STEP files and menu holder, taking notice of the specification lists (**1 mark**). *The scanning of this assignment has made the cup look more orange than the original.*
- ◆ they have correctly applied the decal. The material chosen from the table number plate (part 4) makes the decal difficult to see, but it is there (**1 mark**).
- ◆ they have produced the two viewpoints to an appropriate scale in both renders (**1 mark**).

- ◆ they have shown skilled application of lighting, highlights, and shadows (**2 marks**).
- ◆ the render output quality has a high level of clarity with no pixelation and grain visible in the rendered views (**2 marks**).

**Note:** the candidate has included decals on the walls and have included a supplementary model of a menu to which they have applied a decal of their menu. This was not required and was not considered when awarding marks.

### **Task 3 (a) – Pictorial sketch**

The candidate was awarded **3 marks** because:

- ◆ the parts are sketched with a high level of skill and are in very good proportion. It is, overall, a highly accurate and realistic representation of the drinks cup in its holder, though the right-hand side of the lid of the cup is a little rough (**3 marks**).

### **Task 3 (b) – Orthographic sketch**

The candidate was awarded **3 marks** because:

- ◆ the parts are sketched with a high level of skill and are in very good proportion. It is a highly accurate and realistic representation of the travel mug, though the bottom of the elevation should be more vertical. (**3 marks**)

**Note:** the end elevation was not asked for in the task and so it was not considered when awarding marks.

## Candidate 8

The candidate has achieved **44/50 marks**.

### Task 1 (a) (i) – Related orthographic drawing of the base (part 1)

The candidate was awarded **5 marks** because:

- ◆ they have accurately modelled the bosses (**1 mark**).
- ◆ they have accurately modelled the rest of the base (part 1) (**1 mark**).
- ◆ they have produced three related views in the correct orientation as per the data sheet (**1 mark**).
- ◆ they have produced an enlarged partial view of the plan view of the bosses (**1 mark**).
- ◆ they have included sufficient dimensions to allow for manufacture (**1 mark**).

### Task 1 (a) (ii) – Related orthographic drawing of the salt and pepper top (part 3)

The candidate was awarded **6 marks** because:

- ◆ they have accurately modelled the top half of the salt and pepper top (part 3), the shell is not considered in this mark (**1 mark**).
- ◆ they have accurately modelled the bottom half of the salt and pepper top (part 3), the shell is considered in this mark and is correct (**1 mark**).
- ◆ they have produced three related views in the orientation as per the data sheet (**1 mark**).
- ◆ they have produced an auxiliary view in the direction of surface X (**1 mark**).
- ◆ they have produced an enlarged partial view showing detail of the semi-circular notch with a relevant dimension (**1 mark**).
- ◆ they have included sufficient dimensions to allow for manufacture (**1 mark**).

### Task 1 (b)

The candidate was awarded **4 marks** because:

- ◆ they have accurately modelled the salt and pepper bottom (part 2) (**1 mark**).
- ◆ they have accurately modelled the table number plate (part 4) (**1 mark**).
- ◆ they have not ensured that cutting plane X-X is clear of the plan view, the thick ends overlap at both sides (**0 marks**).
- ◆ they have produced a suitable stepped sectional end elevation through cutting plane Y-Y (**1 mark**).
- ◆ they have produced a suitable enlarged partial view showing how the salt and pepper top (part 3) and salt and pepper bottom (part 2) join (**1 mark**).

### Task 1 (c) – Exploded isometric of assembly

The candidate was awarded **2 marks** because:

- ◆ they have produced an exploded view that is isometric (**1 mark**).
- ◆ they have ensured correct alignment, spacing and order of components with no overlaps (**1 mark**).

## Task 1 (d) – Standards and conventions

The candidate was awarded **3 marks** because:

- ◆ they have included evidence of linear, radial, diameter and angular dimensions (**1 mark**).
- ◆ their template includes three different examples of appropriate information to include in a title block (**1 mark**).
- ◆ they have correctly labelled at least one instance of all types of views present (**1 mark**).

## Task 2 (a) – Final copy of two-fold menu

The candidate was awarded **13 marks** because:

- ◆ they have created correct structure, proportion and taken notice of the fold (**1 mark**).
- ◆ they have included the company logo on panel B2, a minimum of two CMYK colours other than CMYK colour 1, one background image on panel B2 and at least two other café images (**1 mark**).
- ◆ they have used CMYK colour 1 on panel A2 following the shape stipulated on the data sheet (**1 mark**).
- ◆ they have correctly used the copy text on the stipulated panels and made correct use of the sub-headings and footers (**1 mark**).
- ◆ they have correctly identified effective use of rhythm (**1 mark**).
- ◆ they have correctly identified effective use of alignment (**1 mark**).
- ◆ they have correctly identified effective use of shape and texture (**2 marks**).
- ◆ they have not made effective use of the pull quote, the text is smaller than the body text and the DTP features applied does not draw attention to it (**0 marks**).
- ◆ they have made effective use of cropping (**1 mark**).
- ◆ they have made effective use of two contrasting fonts (**1 mark**).
- ◆ they have produced an excellent piece of DTP with a high level of skill and significant visual impact (**3 marks**).

## Task 2 (b) – Rendered pictorial illustration

The candidate was awarded **7 marks** because:

- ◆ they have included the menu holder assembly and all STEP files in the scene. They have been suitably scaled relative to each other and are correctly sited on a surface (**1 mark**).
- ◆ they have positioned the models similarly to that shown on the data sheet (**1 mark**).
- ◆ they have applied appropriate materials/ colours to the STEP files and menu holder, taking notice of the specification lists (**1 mark**).
- ◆ they have correctly applied the decal. The material chosen from the table number plate (part 4) makes the decal difficult to see, but it is there (**1 mark**).

- ◆ they have produced the two viewpoints to an appropriate scale in both renders (**1 mark**).
- ◆ they have shown good application of lighting, highlights, and shadows. The views are well illuminated, but the position of the lighting casts odd shadows for the scene (**1 mark**).
- ◆ the render output quality has a good level of clarity with some pixelation and grain visible in the rendered views (**1 mark**).

### **Task 3 (a) – Pictorial sketch**

The candidate was awarded **1 mark** because:

- ◆ Parts are sketched with a limited level of skill and there is some evidence of proportion. The holder is longer in one direction and the cup is not in perspective (**1 mark**).

### **Task 3 (b) – Orthographic sketch**

The candidate was awarded **3 marks** because:

- ◆ the parts are sketched with a high level of skill and are in very good proportion. It is a highly accurate and realistic representation of the travel mug (**3 marks**).