

Commentary on candidate 9 evidence

The candidate evidence has achieved the following marks for each section of this course assessment component – assignment.

		Marking instruction	Commentary	Mark awarded	Maximum mark
1	a	Base	1 mark awarded as the base is correct.	2	6
		Fixing nut	0 mark awarded as this has been modelled incorrectly. Measure the height of the Elevation – 18mm. Measure the diameter size on the Plan – 60mm. The height is 3 times smaller than the diameter of the fixing nut. Therefore, multiply the height by 3 to check the size of diameter is correct. In this case, it is not correct.		
		Toggle switch	0 mark awarded as the height is incorrect. Measure the height of the bottom part of the toggle switch – 16mm. Therefore, a scale of 2:1 is used so the height of the toggle switch from the centre of the spherical feature to the top of the Ø20mm cylinder should measure as 56mm. In this case it doesn't.		
		Shade	0 mark awarded as this has not been shelled correctly as you can see from the small hidden detail line missing from Elevation. This can be seen more clearly on the Sectional Elevation on the assembly at task 1b.		
		Stem	0 mark awarded as 155 dimension is incorrect. 300 divided by the measured height of the vertical line on the Elevation (75mm) gives scale of 4. The length of the angled top does not match this scale therefore, the part has been modelled incorrectly.		
		Enough dimensioning to allow for manufacture	1 mark awarded as enough dimensions have been used across the drawings.		
	b	Accurate assembly – no overlaps and no gaps	1 mark awarded as the lamp has been accurately assembled.	2	3

		Relevant section with correct parts hatched	1 mark awarded as the nut has not been hatched however this is acceptable as it shows an understanding of BS standards. We will accept the nut being hatched or not hatched – BS standards were not assessed as part of the course this year.				
		All views related and orientated correctly	0 mark awarded as the End Elevation was not projected from the Sectional Elevation. Use a ruler to check the projection from the Sectional Elevation to view where the cutting Plane is not applied.				
	c	Correct orientation (isometric and orientation from data sheet 1a)	1 mark awarded as the isometric view and orientation are correct as per data sheet 1a.			1	2
		Correct spacing and alignment – no overlap of components	0 mark awarded as the fixing nut and shade not aligned with the hole at the top of the stem.				
	d	British Standard conventions	2 marks awarded as centre lines are shown, except for the assembly. Dimensioning standards are good overall except for the chamfer on the fixing nut. The cutting plane thick ends are outside the Plan. The third angle symbol is correct.			2	2
2	a	Suitable materials used for each part AND Appropriate lighting/highlights/shadows and pictorial view	1 mark awarded for the following: Stem – wood. Shade and base – concrete or wood. The candidate has provided a note on the DTP layout labelling this as walnut wood polished. Toggle switch and fixing nut– metal. AND Appropriate lighting/highlights/shadows and pictorial view.	1	1		
	b	Both layouts/thumbnails contain the logo, the title and at least one image and clarity of the layouts/thumbnails	1 mark awarded as the manual thumbnails both contain the logo, title and image and are clear. The first thumbnail says ‘title’ – this is acceptable.	2	2		

		Clear identification of depth in both layouts	1 mark awarded as depth is identified in both – described as drop shadows applied to create depth.		
	c	Correct size/proportion of layout	1 mark awarded as this is the correct size – the ratio is 1.988.	3	8
		Visual impact	1 mark awarded as it is challenging to see the lamp against the background lines used. The font style used does not suit the use. Extended text is not aligned. The shape on the left is not mirrored accurately. Different colours have been used for letters within words which makes words challenging to read.		
		2 design elements/principles, other than depth , correctly labelled	1 mark awarded as there is identification of unity. A colour dropper has been used to match the colours of the text and scribbles to the image of coloured curves.		
		Suitable description of the effect on the DTP layout for each of these design elements/principles	0 mark awarded as the effect on the layout of unity is not enough to gain a mark.		
3	a	Base	1 mark awarded as the base outlines are correct.	5	7
		Stand	0 mark awarded as the Plan is not correct – the central slice should extend above and below the flat top.		
		Top	1 mark awarded as the top outlines are correct.		
		All hidden detail shown	1 mark awarded as all hidden detail is correct.		
		Application of proportion across all sketches	0 mark awarded as the proportion of the sketches across the evidence is not good enough for the mark. The clock base Plan and the clock stand are not deep enough, and the clock top 40 height of the legs is less than half of the 70.		
		Application of construction/projection across all sketches	1 mark awarded as projection is good.		

	Correct dimensioning (look at dimensioning across all 3 components)	1 mark awarded as enough dimensions are shown.		
b	Elevation correctly sketched to fair proportions	0 mark awarded as horizontal lines are missing from the split between the clock stand and clock top.	0	4
	End Elevation correctly sketched and projected from the Elevation	0 mark awarded as the candidate has the same line missing from the End Elevation. We would apply the follow on rule for this error. However, the candidate has shown the width of the stand to the outside edge of the base, which is not correct.		
	Plan correctly sketched and projected from the Elevation	0 mark awarded as the candidate has projected the 5mm wall thickness of the base from the bottom of the sloping edge. This is not correct projection.		
	Depth of Plan and End Elevation in good proportion with each other	0 mark awarded as the depth of the Plan does not match up with the depth of the End Elevation.		
c	Sketching	3 marks awarded as the candidate has produced a very high-quality sketch. All details are correct. The cut out from the clock stand maybe not quite deep enough but overall, the sketch is very good.	5	5
	Rendering	2 marks awarded as the candidate has demonstrated a very high-quality render. All materials used are correct and well applied and there is good application of tone and shadows.		
			23	40