National 5
Coursework
Assessment Task

National 5 Graphic Communication Assignment
Finalised Marking instructions

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General marking principles

This information is provided to help you understand the general principles that must be applied when marking candidate responses in this assignment. These principles must be read in conjunction with the detailed marking instructions, which identify the key features required in candidate responses.

a Marks for each candidate response must **always** be assigned in line with these general marking principles and the detailed marking instructions for this assessment.

b Marking should always be positive. This means that, for each candidate response, marks are accumulated for the demonstration of relevant skills, knowledge and understanding: they are not deducted from a maximum on the basis of errors or omissions.

c If a specific candidate response is not covered by either the general marking principles or detailed marking instructions, you must seek guidance from your team leader.

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Detailed marking instructions

In all cases, where the candidate's work does not meet the lowest range statement, or where no evidence is provided, then zero marks should be awarded.

Task		Expected response	Max mark	Additional guidance
1	**a**	Parts must be fully correct, orientated as per data sheet for each component and include all hidden detail; • Base **(1 mark)** • Fixing nut **(1 mark)** • Toggle switch **(1 mark)** • Shade **(1 mark)** • Stem **(1 mark)** Enough dimensioning to allow for manufacture. **(1 mark)**	**6**	If candidate has not dimensioned the individual components, marks should be awarded where the views contain all relevant features and appropriate proportion. You may wish to look at other evidence in this task to help you make your judgement. Where evidence of dimensioning shows the potential for automatic rounding up having taken place due to a decimal point, award the mark for the component being correct. Apply follow on rule where appropriate. Follow on for orientation. A maximum of 1 mark cannot be accessed for orientating views incorrectly.
	b	• Accurate assembly - no overlaps and no gaps. **(1 mark)** • Relevant section with correct parts hatched. **(1 mark)** • All views related and orientated correctly. **(1 mark)**	**3**	Apply follow on rule where appropriate. The cutting plane **must** pass through the centre of all 5 components to award the mark for relevant section. Accept the fixing nut being hatched or not hatched.

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Task		Expected response	Max mark	Additional guidance
1.	**c**	• Correct orientation (isometric and orientation from data sheet 1a). **(1 mark)** • Correct spacing and alignment - no overlap of components. **(1 mark)**	**2**	All components must be exploded to achieve full marks. The fixing nut and shade must align with the hole at the top of the stem. The toggle switch must align with the hole at the bottom of the stem. Where colour/shading has been applied, only award marks where visible edges (lines) are evident. Where only a fully rendered image is provided a maximum of 1 mark can be awarded if the spacing and alignment is correct. Apply follow on rule where appropriate.
	d	• Sufficient range of evidence correct across all drawings with few inconsistencies. **(2 marks)** • Sufficient range of evidence with some inconsistencies. **(1 mark)** • Poor range and/or many inconsistencies **(0 marks)**	**2**	Evidence will come from: • dimensioning • 3rd angle symbol • 3rd angle projection • suitable scale • component titles • line types • view labels • title blocks • correct hatching.

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Task		Expected response	Max mark	Additional guidance

2	**a**	• Suitable materials used for each part
		  • Stem – wood
		  • Shade and base – concrete or wood
		  • Toggle switch and fixing nut– metal
		
		AND
		
		Appropriate lighting/ highlights/shadows and pictorial view. **(1 mark)**
			1	Evidence may be found across the assignment task.
				
				Graphic must be a pictorial view to gain mark for appropriate view.

	b	• **Both** layouts/thumbnails contain the logo, the title and at least one image **and** clarity of the layouts/thumbnails. **(1 mark)** • Clear identification of depth in **both** layouts **(1 mark)**	**2**	
	c	Correct size/proportion of layout. **(1 mark)**	**8**	Markers should measure this to ensure accuracy Ratio (long side/short side) between 1.98 and 2.02 inclusive.
		• High quality visual impact **(3 marks)** • Good quality visual impact **(2 marks)** • Fair quality visual impact **(1 mark)** • Poor quality visual impact **(0 marks)**		Where an image has been used that has not been made by the candidate no marks can be awarded.

Task		Expected response	Max mark	Additional guidance
2.	**c**	2 Design elements/principles, **other than depth**, correctly labelled. **(2 marks)** Suitable description of the effect on the DTP layout for each of these design elements/principles. **(2 marks)**		Evidence may come from alignment; dominance; unity; contrast; line and use of colour. To award a mark for identification of elements/principles, the following must make reference to **two** different features – contrast, alignment, unity. Maximum of 2 marks – 1 for each of these labelled or/and described correctly. Any description of the effect **must** make reference to specific features of the DTP layout.

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Task		Expected response	Max mark	Additional guidance
3	**a**	For each individual component – visible outlines correct. • Base **(1 mark)** • Stand **(1 mark)** • Top **(1 mark)** All hidden detail shown. **(1 mark)** Application of proportion across all sketches. **(1 mark)** Application of construction/projection across all sketches. **(1 mark)** Correct dimensioning (look at dimensioning across all 3 components). **(1 mark)**	**7**	Use of straight edge is permitted. Clear evidence of the use of drawing board with set squares in producing these sketches will result in no marks being awarded. Evidence of 3D CAD used for this task will result in no marks awarded. Clear difference between construction lines and outlines. If hidden detail is incorrect, then do not consider hidden detail when marking projection.
	b	• Elevation correctly sketched to fair proportions. **(1 mark)** • End Elevation correctly sketched and projected from the Elevation. **(1 mark)** • Plan correctly sketched and projected from the Elevation. **(1 mark)** • Depth of Plan and End Elevation in good proportion with each other. **(1 mark)**	**4**	Follow-on error applies if elevation is incorrect. Views must be related and in 3rd angle. Use of straight edge is permitted. Clear evidence of the use of drawing board with set squares in producing these sketches will result in no marks being awarded. If the stand extends to the outside of the base then the marks cannot be awarded for the Elevation or the End Elevation.

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Task		Expected response	Max mark	Additional guidance
3	**c**	Rendered pictorial sketch <u>Sketching</u> High quality sketch **(3 marks)** Good quality sketch **(2 marks)** Fair quality sketch **(1 mark)** Poor quality sketch **(0 marks)** <u>Rendering</u> Good quality rendering **(2 marks)** Fair quality rendering **(1 mark)** Poor quality rendering **(0 marks)**	**5**	No marks for any areas traced from data sheet 3a or 3b. Use of straight edge is permitted. Clear evidence of the use of drawing boards and set squares will result in no marks for the sketch only. Use follow on rule for sketch across evidence for task 3. Rendering must clearly show materials to be awarded full marks. • Base - plastic • Stand - wood • Top - plastic If a part has been rendered with wrong material then maximum mark for rendering that can be awarded is 1 mark. No marks awarded for poor quality sketching or rendering.

[END OF MARKING INSTRUCTIONS]