National 5
Coursework
Assessment Task

National 5 Graphic Communication Assignment
Marking instructions

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These marking instructions have been prepared by examination teams for use by SQA appointed markers when marking external course assessments.

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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**	Related orthographic drawings and sectional views of the Smart Speaker; top, base and speaker casing. Three related views using 3rd Angle Projection of each component. Must be fully correct, including hidden detail; • Speaker Base **(1 mark)** • Speaker Casing **(1 mark)** • Speaker Top **(1 mark)** Correct section of end elevation and orientation across all three components. **(1 mark)** Enough dimensioning to allow for manufacture. **(1 mark)**	**5**	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.
	b	Related orthographic views of Assembly • Accurate assembly in both views - 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.

Task		Expected response	Max mark	Additional guidance
1	c	Exploded Isometric View of assembly: • Correct orientation (isometric and orientation from data sheet 1a). • Correct spacing and alignment - no overlap of components.	2	All components must be exploded to achieve full marks. Where colour 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 **(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 – obvious use of plastic in the render. **(1 mark)** • Appropriate lighting/highlights/ shadows and appropriateness of view. **(1 mark)**	2	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 a title, extended text and image **and** clarity of the layouts/thumbnails. **(1 mark)** • Clear identification of dominance in **both** layouts. **(1 mark)**	2	
	c	• Correct size/proportion (scaled correctly) of layout. **(1 mark)** • High quality visual impact **(3 marks)** • Good quality visual impact **(2 marks)** • Fair quality visual impact **(1 mark)** • Poor quality visual impact **(0 marks)** 2 Design elements/principles, **other than dominance**, correctly labelled. **(2 marks)** Suitable justification for each of these design elements/principles. **(2 marks)**	8	Markers should measure this to ensure accuracy Ratio (long side/short side) between 1.48 and 1.52 inclusive. Where an image has been used that has not been made by the candidate no marks can be awarded. Evidence may come from alignment; depth; unity; contrast; line and use of colour. Maximum of 2 marks – 1 for each of these labelled or/and described correctly

Task		Expected response	Max mark	Additional guidance
3	a	Orthographic sketches of components; For each individual component – visible outlines correct • Lamp Shade **(1 mark)** • Lamp Shade Holder **(1 mark)** • Charging Base **(1 mark)** All hidden detail correct (look at hidden detail across all 3 components) **(1 mark)** Correct dimensioning (look at dimensioning across all 3 components) **(1 mark)** Application of proportion across all sketches **(1 mark)** Application of construction/ projection across all sketches **(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. Clear difference between construction lines and outlines.
	b	• Elevation correctly sketched to goo • 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.

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Task		Expected response	Max mark	Additional guidance
3	**c**	Rendered pictorial sketch <u>Sketching</u> Good quality sketch **(2 marks)** Fair quality sketch **(1 mark)** <u>Rendering</u> High quality rendering **(3 marks)** Good quality rendering **(2 marks)** Fair quality rendering **(1 mark)**	**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. Rendering must clearly show materials to be awarded full marks. The details inside the glass must be shown to attract full marks for rendering. No marks awarded for poor quality sketching or rendering.

[END OF MARKING INSTRUCTIONS]

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