National Qualifications 2025

2025 Graphic Communication

National 5

Question Paper Finalised Marking Instructions

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General marking principles for National 5 Graphic Communication

Always apply these general principles. Use them in conjunction with the specific marking instructions, which identify the key features required in candidates' responses.

(a) Always use positive marking. This means candidates accumulate marks for the demonstration of relevant skills, knowledge and understanding; marks are not deducted for errors or omissions.

(b) If a candidate response does not seem to be covered by either the principles or detailed marking instructions, and you are uncertain how to assess it, you must seek guidance from your team leader.

(c) For 'Describe' questions
Candidates must provide a statement or structure of characteristics and/or features, not just an outline or a list. For example they can refer to a concept, experiment, situation or facts in the context of and appropriate to the question. The number of marks available for a question indicates the number of factual/appropriate points required.

(d) For 'Explain' questions
Candidates must relate cause and effect and/or define relationships. This must be in the context of the question, or a specific area within the question.

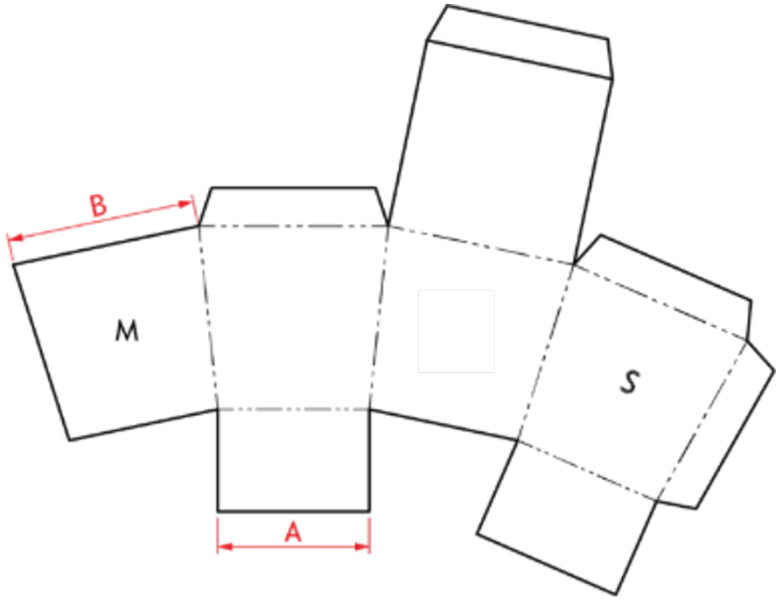
(e) For 'Compare' questions
Candidates must demonstrate knowledge and understanding of the similarities and/or differences between things, methods, or choices. This must be in the context of the question, or a specific area within the question.

(f) Candidates can respond to any question using text, sketching, annotations or combinations of these. Award marks for the information conveyed. Do not award marks for the quality of sketching.

Marking instructions for each question

Question			Expected response	Max mark	Additional guidance
1.	(a)	(i)	• contrasting black and red font • contrasting green background and red font • contrasting shapes (circles/squares) • contrasting font sizes. • contrasting font styles (bold/regular) • contrasting font styles between numbers and text • black text on lighter background. • contrasting black text and white shapes • horizontal/vertical font contrasts. • contrast of uppercase and lowercase used	**2**	Response must make reference to the relationship between two or more elements.
		(ii)	• "roadside reels" and "drive thru ticket" are centrally/vertically aligned • "ADMIT 1" and "drive thru ticket" are centrally/horizontally aligned • "ADMIT 1" and "drive thru ticket" are centrally/horizontally aligned with grid • "000248" and "roadside reels" are horizontally aligned • numbers at bottom are horizontally aligned • numbers at bottom and small circles are horizontally/centrally aligned • vertical/central alignment of the small white circles • numbers at bottom are horizontally aligned • numbers "000248" and "ADMIT 1" are vertically/centrally aligned • the "A" of ADMIT 1 and the squares are aligned horizontally • the "1" of ADMIT 1 and the squares are aligned horizontally • the grid graphic on far left and grid on right hand side are horizontally/centrally aligned • rows of squares are horizontally/centrally/top/ bottom aligned • columns of squares are vertically/ centrally/left/right aligned	**2**	Response must make reference to the relationship between two or more elements that are in unity.

Question			Expected response	Max mark	Additional guidance
1.	(a)	(iii)	• repetition of black colour on "drive thru ticket", "admit 1" or image of wheel • repetition of red colour on ticket numbers and "roadside reels" • repetition of font style in numbers • repetition of square shapes • repetition of font style in "Roadside reels", "admit 1" and "drive thru ticket" • checked pattern connects both ticket segments • repetition of gear symbols along the bottom of the ticket and the black gear symbol • repetition of small white circles • physical connection with logo and "Roadside Reels" • repetition of the light green colour in chequered squares and small reels	**2**	
	(b)		• "Roadside reels" is dominant due to its size • "Roadside reels" font is more dominant compared to other fonts on page due to its size • moon logo is dominant due to its size	**1**	
	(c)		• reach a wider audience • easier to edit • easier to share the website • website can be accessed anywhere • immediate updates to content can be made • animated effects, hyperlinks and videos can be embedded • websites can contain more information • translate to other languages	**2**	Do not accept any answer which refers to cost.

Question			Expected response	Max mark	Additional guidance
1.	(d)		top left bottom left	2	
	(e)	(i)	100mm	1	
		(ii)	125mm	1	Follow on rule if candidates have got the A & B the wrong way round Follow on if (i) is 10 and (ii) is 12.5
	(f)	(i)	correct position of "M" indicated	1	
		(ii)	correct position of "S" indicated	1	
					
	(g)		• reduce the amount of ink • include more cut-outs to reduce the amount of ink • use recycled paper/card • use recyclable/sustainable materials • reusable materials. • use soy/sustainable inks • remove solid colour fills • outline text • removing the lid on the box • reduce the gauge/thickness of the card • maximise the amount on one sheet when cut out to reduce paper wastage Any other acceptable response.	2	

Question			Expected response	Max mark	Additional guidance
2.	(a)		isometric	**1**	
	(b)		• components overlapping • wrong sequence of assembly	**2**	Do not accept components are not equally spaced out.
	(c)		**<u>Extrude approach:</u>** • diameter 30 circle, extrude by 130mm **(1 mark)** • diameter 38 circle, extruded by 8mm **(1 mark)** • chamfer of 4mm to correct edge **(1 mark)** • 30AC hexagon extruded by 50mm **(1 mark)**	**4**	**<u>Revolve approach:</u>** • correct revolve profile **(1 mark)** • centre axis identified **(1 mark)** • revolve 360 degrees **(1 mark)** • 30AC hexagon extruded by 50mm **(1 mark)** **<u>Mirror approach:</u>** • diameter 30 circle, extrude by 65mm **(1 mark)** • mirror command used **(1 mark)** • mirror plane/face in correct position **(1 mark)** • mirror cylindrical and hexagonal prism features and chamfer **(1 mark)** Must make reference/identify to AC for Hexagon dimension.
	(d)		• 30AF should be AC • diameter 18mm for arc • arrows on cutting plane are upside down • section R-R should read A-A • elevation and End Elevation labels wrong way around • centre mark on “elevation” is wrong line type • some extension lines touching. • R50 should be a diameter 50 • diameter 30 should be 30AC in section R-R view • centre lines missing from section R-R • centre lines missing from elevation • hatching pattern of right-hand weight incorrect	**6**	Clear identification of errors written or annotated.
	(e)		• A - 1460mm • B - 1400mm • C - 500mm • D - 30mm • E - 320mm	**5**	

Question			Expected response	Max mark	Additional guidance
3.	(a)	(i)	promotional	**1**	
		(ii)	• to promote or advertise the new housing estate • give an idea of the layout of the new estate • realistic representation • easily understood by everyone • attract customers	**1**	Apply follow on from (i) if incorrect.
	(b)		1:50 or 1:100	**1**	
	(c)	(i)	door	**1**	
		(ii)	heated towel rail	**1**	
		(iii)	WC	**1**	Accept water closet
		(iv)	lamp	**1**	
		(v)	socket	**1**	
	(d)		• same components can be used repeatedly • accessible across team of people • no need to redraw/remodel repeated components • less chance of errors/improves accuracy • speeds up production • standardisation ensures consistency • ensures BS symbols are being used	**2**	
	(e)		• easy to collaborate with more people in different locations • allows 24 hour working globally • ability to choose where to work • reduction in travel time/costs • to share documents electronically • increase productivity	**2**	1 mark only for response related to travel advantage.
	(f)	(i)	bottom right	**1**	
		(ii)	top right	**1**	

Question			Expected response	Max mark	Additional guidance
4.	(a)	(i)	• ideas can be created quickly • range of ideas can be produced • allows ideas to be explored • can be shared with client • aids process to final DTP layout • involves client in the design process • allows client to provide feedback	**2**	Do not accept 'to generate ideas' on its own.
		(ii)	• explains what the images are • gives colour information • can identify where elements and principles/edits are being used • can speed up production as labels can be used to describe parts of the thumbnails • aids understanding of layout	**1**	
	(b)		Any 2 from: • scanner • camera • graphics tablet • mobile phone • tablet/iPad • visualiser	**2**	
	(c)		**1 mark** for each labelled correctly	**5**	
	(d)	(i)	add white to a colour	**1**	
		(ii)	• appropriate for the theme of the article • colours are less vibrant allowing elements to stand out • improves readability of text • help to create contrast in the layout • allows other graphics to stand out more	**2**	Accept responses related to colour association, eg blue is associated with calmness, yellow is associated with happiness, etc.
	(e)	(i)	crop	**1**	Accept any reference to crop
		(ii)	• allows the graphic to be more easily integrated into a layout • allows for the use of text wrap around the ball • declutters the graphic • isolate the ball • draws attention/emphasise ball	**1**	Do not accept 'dominance'
	(f)		reverse	**1**	
	(g)		easy to read modern	**1**	

Question			Expected response	Max mark	Additional guidance
5.	(a)		Any 2 from: • lighting • materials • textures	**2**	Accept light source
	(b)	(i)	rectangle or line	**1**	
		(ii)	arc	**1**	
		(iii)	trim	**1**	
	(c)	(i)	revolve	**1**	
		(ii)	shell	**1**	Accept Extrude Subtract/Subtract
		(iii)	extrude subtract	**1**	Accept Subtract
	(d)		**Extrude Method:** • dia 110 circle profile and extruded 20 **(1 mark)** • fillet bottom edge by R15 **(1 mark)** • shell and remove top face by 5mm **(1 mark)** • dia 70 circle on bottom face and extrude by 5mm **(1 mark)**	**4**	**Revolve Method:** • correct 2D sketch including fillet and wall thickness **(1 mark)** • centre axis identified **(1 mark)** • revolve 360 **(1 mark)** • dia70 circle and extrude by 5mm **(1 mark)** If candidate carries out shell, it must be before the Dia 70 extrusion. If incorrect, maximum award - 3 marks.
	(e)		Centre axis constraint applied using axis of both components. **(1 mark)** Mate constraint applied between top surface of "body" and underside surface of "top". **(1 mark)**	**2**	

[END OF MARKING INSTRUCTIONS]