SQ22/H/01 Graphic Communication

Date — Not applicable
Duration — 2 hours

Fill in these boxes and read what is printed below.

Full name of centre

Town

Forename(s)

Surname

Number of seat

Date of birth

Day

Month

Year

Scottish candidate number

Total marks — 70

Attempt ALL questions.

Write your answers clearly in the spaces provided in this booklet. Additional space for answers is provided at the end of this booklet. If you use this space you must clearly identify the question number you are attempting.

All dimensions are in mm.

All technical sketches and drawings use third angle projection.

You may use rulers, compasses or trammels for measuring.

In all questions you may use sketches and annotations to support your answer if you wish.

Use blue or black ink.

Before leaving the examination room you must give this booklet to the Invigilator; if you do not, you may lose all the marks for this paper.
Attempt ALL questions
Total marks — 70

1. A public building that was constructed in the 1950s is to be modernised. The original drawings were produced manually in paper format. The architect has requested that the manual drawings be converted to a digital format and sent electronically.

The conversion methods being considered are: scanning the original drawings or reproducing the drawings using CAD software.

(a) (i) Compare the two methods in terms of their suitability for this task.
1. (a) (continued)

(ii) Explain two possible disadvantages that may be encountered when two different people or companies work together on the same project using CAD.

CAD simulation could be used to test aspects of the design of the building.

(b) Identify an aspect of the design that could be tested through a CAD simulation.

(c) Identify an advantage of a “paperless office” to an architectural business.
2. The sketches below were used by a CAD technician to create a 3D model of a portable speaker casing. The 3D model will be used to make production drawings and a promotional illustration.

The CAD technician sketched a modelling plan before creating the 3D model. The first two stages of the modelling plan are shown below.

(a) Describe the 3D modelling techniques proposed for each stage, making reference to all relevant dimensions from the orthographic sketch. You can sketch, annotate the sketches provided and/or use text in your answer.

(i) 

(ii) 

Orthographic sketch
2. (continued)

A solid model of the portable speaker casing and the two components generated from it are shown above.

(b) Describe, using a “top-down” approach, the techniques used to create the two component parts from the solid model. You can sketch, annotate and/or use text in your answer.
The components of the speaker casing are shown above.
The fixing screws were imported from a CAD library.

(c) Explain why this type of component would be included in a CAD library.
2. (continued)

The two component parts of the portable speaker casing need to be assembled within the CAD software.

(d) Outline the 3D modelling techniques used to fully constrain the two component parts. You may use annotated sketches to support your answer if you wish.
2. (continued)

Two blind holes in the case.
Ø 10mm
10mm deep

The bottom of the handle must be a minimum of 30mm from the top of the speaker.

ALL SIZES IN MM
2. (continued)

The portable speaker casing design has been modified to allow a simple handle to be attached. These modifications have been sketched on the production drawings and shown on the 3D model on the left.

(e) Produce a modelling plan which could be used to create a 3D CAD model of a simple handle to fit the blind holes in the casing. The handle will be glued into the holes. You can sketch, annotate, and/or use text in your answer.
3. The promotional layout below is used to attract consumers to a new product.

![Image of BIO+ball]

The BIO+ball is an innovative new product that helps to ensure the well being of you and your family.

Whilst the BIO+ball is innocently floating around in the kitchen sink it is constantly killing off harmful germs.

BIO+ball is so versatile that is can be used when cleaning dishes, preparing vegetables and when washing hands.

Explain how the graphic designer has used typeface, colour and choice of images to attract consumers.
4. Components that make up a pulley wheel assembly are shown below as an exploded view.

An incomplete sectional elevation, cut along a central vertical plane, is shown below.

(a) (i) Apply hatching to the assembled elevation to show the different components taking account of British Standards. You may sketch the section lines on the view and you can use a straight edge if you wish.

(ii) State the name for the feature shown at X.
4. (a) (continued)

The bolt used in the assembly has flat sections on the end for a spanner to fit.

(iii) Apply the British Standards convention for this flat on the bolt shown below (Figure 1).

![Figure 1](image1.png)  
![Figure 2](image2.png)

The 3D view in Figure 2 shows the pulley assembly bolted by the base to another component. The drawing below shows the three stages.

Stage 1 — a blind hole is machined in the component
Stage 2 — a thread is cut into the blind hole
Stage 3 — an M10 bolt and washer is fitted to secure the pulley assembly

(b) (i) Apply hatching to **Stage 2** and **Stage 3** above taking account of British Standards and conventions. You may sketch the section lines on the view and you can use a straight edge if you wish.
4. (b) (continued)

(ii) Explain the term “blind hole” at Stage 1.

(iii) What does the “M” stand for on the M10 bolt?

(iv) Determine the depth of the hole for the thread cut at Stage 2.

(v) State the type of section shown at Stages 1 to 3.

The holes on the base of the pulley assembly are 10.5 mm with a tolerance of −0.15 and +0.15 applied.

(vi) Apply the dimensional tolerance to the hole in Stage 1 taking account of British Standards.
5. The elevation of two interpenetrating cylindrical pipes is shown below. A surface development of interpenetrating cylindrical pipes is being generated using 2D CAD. The elevation and part construction work is shown below.

Line X has been drawn and will be offset to the left to create a series of parallel lines to locate the intersection for plotting the points.
5. (continued)

(a) Complete the table provided indicating the offset required to locate the position of the points on each generator given (1—7) and the centre point for the circle.

<table>
<thead>
<tr>
<th>Generator line</th>
<th>Offset from line X (mm)</th>
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<tbody>
<tr>
<td>1</td>
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Circle centre point

The true shape of surface A is shown below.

![Diagram of surface A with dimensions Y and Z]

(b) What are the full dimensions for Y and Z on surface A?

\[ Y = \quad \quad \quad \quad \quad Z = \quad \quad \quad \quad \quad \]

Y = ___________  Z = ___________
6. Use the three layouts in the Question 6 supplement provided to answer this question.

Three promotional layouts for “One Stop Kit Shop”, a cycling accessories chain, are shown.

The layouts are aimed at three different target markets and will be displayed in three different magazines.

Target market layout 1: (45–65 years) male and female, leisure cycling, working and retired singles and couples, grown-up families, TV influences: gardening and travel shows

Target market layout 2: (25–45 years) male and female, working, keen cyclists, adventure cycling, young families or no family commitments, TV influences: sport and Top Gear

Target market layout 3: (15–25 years) predominantly male, serious adventure and mountain biking, single, independent, TV influences: reality shows, indie and grunge music

The graphic designer has used a range of design elements and principles in each of the three layouts to appeal to the different target markets.

(a) Explain why the styles of typeface used in layout 1 will appeal to its target market.

(b) Explain how the use of shape enhances layout 2.
6. (continued)

In layout 2, three lines, two blue and one orange, are used.

(c) Explain how each of these lines improves layout 2. Each of your explanations should be different.

Advancing and receding colours have been used in each of the layouts.

(d) Select one of the layouts. Identify an advancing colour used in it, and describe the impact this colour has on the layout.

In layout ______ the advancing colour is ____________________.

The effect this colour has on the layout is:

Different forms of balance have been used in the layouts. In layout 1 the cyclists are placed off-centre, whilst in layout 2 the cyclist is placed in the centre of the layout.

(e) (i) Explain one challenge that placing a main item in the centre of a layout gives the graphic designer.
6. (e) (continued)

(ii) Explain the benefit of placing a main item off-centre in a layout (other than your answer to 6(e)(i)).

(f) Explain three different ways in which the graphic designer has used design elements and principles in layout 3 to appeal to its target market.
7. Use “The Colour and the Shape” articles (layout A and layout B) from the **Question 7 supplement** provided to answer this question.

A graphic designer has created a magazine double-page spread for a home furnishing publication as shown in layout A. After development, the graphic designer enhanced the layout and produced a pre-press copy, layout B.

(a) Explain **two** reasons for using **headers** and **footers** in a multi-page document.  

(b) Examine the feature shown below.

(i) State the name of this feature which is in each corner of layout B.  

(ii) Explain the purpose of this feature.  

(iii) Explain why the graphic designer used bleed in layout B.
7. (continued)

Examine the layering tree shown below.

(c) Describe layering as it is used in layout B in terms of the function and the benefits of layering for the graphic designer.
Examine both layout A and layout B.
Three DTP improvements have been made from layout A to layout B.

(d) Identify what these improvements are and explain their impact.

(i) Layout improvement 1 is:

and the impact is:

(ii) Layout improvement 2 is:

and the impact is:

(iii) Layout improvement 3 is:

and the impact is:

[END OF SPECIMEN QUESTION PAPER]
Question 6 supplement

One-Stop Kit Shop

When you off-road, let us keep you safe

One-Stop Kit Shop

When you off-road, let us keep you safe

ONE-STOP KIT SHOP

WHEN YOU OFF-ROAD, LET US KEEP YOU SAFE
Layout A

**The Colour and the Shape**

**The Question**

MOST HOMES NEED BRIGHTENING UP - TIME FOR A COLOUR CHANGE;
A WHOLE NEW ATTITUDE TO FURNITURE.

By Lauren Campbell

Lately through each of these times there exists a sense of warmth that Scottish homes are acquiring through the introduction of contemporary elements. The current climate of change is evident in the way in which the color and appearance of the home are being reconsidered. In the past, some might have observed this trend as the use of soft colors and modern decorations. However, it is important to note that the trend towards a more modern aesthetic is not just about aesthetics.

Sometimes it's difficult to prepare the correct moment since the vastness of new products can overwhelm. When the customer is presented with a product, the decision is critical. The choice of color can make a difference to consumers. Different consumers have different priorities, but the main differences are not just in color, but also in the overall perception of the product. Many consumers are looking for a balance between style and practicality. The customer might require more from the product. The current trend towards modern and contemporary elements is not just about aesthetics.

"Style is an odd thing; it's in the eye of the beholder."
Marking Instructions

These Marking Instructions have been provided to show how SQA would mark this Specimen Question Paper.

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General Marking Principles for Higher Graphic Communication

This information is provided to help you understand the general principles you must apply when marking candidate responses to questions in this Paper. 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) For each candidate response, the following provides an overview of the marking principles. Refer to the Specific Marking Instructions for further guidance on how these principles should be applied.

(i) Questions that ask candidates to describe
Candidates must provide a statement or structure of characteristics and/or features. This should be more than an outline or a list. Candidates may refer to, for instance, a concept, experiment, situation, or facts in the context of and appropriate to the question. Candidates will normally be required to make the same number of factual/appropriate points as are awarded in the question.

(ii) Questions that ask candidates to explain
Candidates must generally relate cause and effect and/or make relationships between things clear. These will be related to the context of the question or a specific area within a question.

(ii) Questions that ask candidates to compare
Candidates must generally demonstrate knowledge and understanding of the similarities and/or differences between, for instance, things, methods, or choices. These will be related to the context of the question or a specific area within a question.

(d) Candidates can respond to any question using text, sketching, annotations or combinations where they prefer. No marks shall be awarded for the quality of sketching. Marking will relate only to the information being conveyed.
### Marking Instructions for each question

<table>
<thead>
<tr>
<th>Question</th>
<th>Expected response</th>
<th>Max mark</th>
<th>Additional guidance</th>
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<td>or any other appropriate response.</td>
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<td><strong>Disadvantages can cover:</strong></td>
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<td>or any other appropriate response.</td>
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Four appropriate comparisons at 1 mark.

For 1 mark, the comparison must refer to both methods explicitly or implicitly, eg scanning produces a raster image which cannot be subsequently edited *whereas* CAD produces a vector image which can be edited (1 mark).

Redrawing the image using CAD means that the image can be edited/detail changed in the future (by the original designer or by other people) whereas in a scanned image the detail cannot be edited/changed (1 mark).

Redrawing for a building would be very time consuming, in comparison scanning would take a significantly shorter time (1 mark).

A bullet point on its own is not acceptable.
<table>
<thead>
<tr>
<th>Question</th>
<th>Expected response</th>
<th>Max mark</th>
<th>Additional guidance</th>
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</table>
|          | Disadvantages can cover:  
  • drawings cannot be edited after scanning  
  • file sizes  
  • produces raster graphic  
  • physical drawing sizes may prove too large to scan in one attempt (may require piecing together)  
  or any other appropriate advantage/disadvantage. | | |
| 1 a ii   | Any relevant explanation made regarding:  
  • the incompatibility of file types  
  • drawing standards  
  • files cannot be worked on simultaneously by different parties  
  • possible complications in language barriers. | 2 | Two appropriate explanations at 1 mark. |
| 1 b      | Any appropriate and specific aspect for testing such as:  
  • heat flow  
  • flow of people (dynamic)  
  • static loading  
  • strength of material  
  • ventilation flow/rate  
  • light  
  • evacuation time. | 1 | One aspect at 1 mark. |
| 1 c      | Any appropriate advantage such as:  
  • ease of storage  
  • ease of sharing  
  • ease of collaborative working | 1 | One advantage at 1 mark. |
<table>
<thead>
<tr>
<th>Question</th>
<th>Expected response</th>
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|          | • positive environmental aspects  
|          | • reduction in copying  
|          | or any other appropriate advantage. |          |                      |
| 2 a i    | Description which makes reference to:  
|          | • the loft command to join profiles (1 mark)  
|          | and  
|          | • the size of the profiles (40 mm x 40 mm) and a distance of 120 mm (1 mark) | 2 | Two descriptions of appropriate modelling techniques.  
|          | The twist is not allocated any marks. |
| 2 a ii   | Description which makes reference to:  
|          | • extruding a cuboid 40 mm and applying a radius to the end edges (1 mark)  
|          | and  
|          | • drawing a profile on the end of the 3D model, 40 mm x 40 mm (1 mark)  
|          | OR  
|          | • extruding the profile 40 mm (1 mark)  
|          | and  
|          | • drawing a profile the shape indicated on the sketch (1 mark) | 2 | Two descriptions of appropriate modelling techniques. |
| 2 b      | A description which makes reference to:  
|          | • using the shell solid command to remove interior material from the solid model (1 mark) | 4 | The response must be in the correct order.  
<p>|          | Where the order is incorrect then 0 marks should be awarded. |</p>
<table>
<thead>
<tr>
<th>Question</th>
<th>Expected response</th>
<th>Max mark</th>
<th>Additional guidance</th>
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<tbody>
<tr>
<td></td>
<td>and creating a sketch through the solid model (lengthways). The sketch must be bigger than the solid model (1 mark) and extruding the sketch with a cut/subtraction in one direction and saving the file (1 mark) and redefining the modelling tree/extrusion and cut/subtract in the opposite direction and saving the file under a different name (1 mark)</td>
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<tr>
<td>OR</td>
<td>creating a sketch through the solid model (lengthways) — the sketch must be bigger than the solid model (1 mark) and extruding the sketch with a cut/subtraction in one direction (1 mark) and using the shell command to remove a face and hollow the model and then saving the file (1 mark) and redefining the modelling tree/extrusion and cut/subtract in the opposite direction and saving the file under a different name (1 mark)</td>
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<td>or any other suitable top down approach in the correct order</td>
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<td>Question</td>
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| 2 c      | An explanation of the appropriateness of inclusion of the item such as:  
  - removes repetition  
  - saves time on drawing common or complex components  
  - common components in a CAD library are likely to conform to standards  
  - accurately represent common or frequently used parts  
  - library components can be used or shared between a wide range of models  
  - library components can be used or shared between a wide range of technicians, operators or people  
  or any other appropriate explanation. | 2 | Two appropriate explanations at 1 mark. |
| 2 d      | An outline description which makes reference to constraining methods, eg:  
  - centre the axis of two corresponding screw-bosses or centre the axis of the two corresponding radiused case components (1 mark)  
  and  
  - mate the two flat faces on the components, either on the outer case or the bosses (1 mark)  
  OR  
  - any other appropriate description | 2 | Two correct and ordered methods at 1 mark |
<p>| 2 e      | Production of a modelling plan which communicates how key features of the 3D model are generated in relation to the criteria of the question. | 4 | The order of the plan is not critical, just as long as the plan produced would work. |</p>
<table>
<thead>
<tr>
<th>Question</th>
<th>Expected response</th>
<th>Max mark</th>
<th>Additional guidance</th>
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<tr>
<td>3</td>
<td>Responses should include references to:</td>
<td>4</td>
<td>To achieve full marks, candidates should make reference to all three topics, ie target market (consumer), colour scheme and typeface, and include an appropriate explanation for their use/choice, as follows:</td>
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<td></td>
<td>• 140 mm between centres (1 mark)</td>
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<td>• Reference to two topics and appropriate explanation of each (3 marks)</td>
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<td>• minimum 30 mm clearance for handle (1 mark)</td>
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<td>• Reference to one topic and appropriate explanation (2 marks)</td>
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<td>• 10 mm diameter for the handle (1 mark)</td>
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<td>• Some reference to topics, insufficient depth or appropriateness (1 mark)</td>
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<td>• any suitable modelling technique to complete the handle (1 mark)</td>
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<td>or within any other workable modelling plan.</td>
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<td>or within any other workable modelling plan.</td>
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<td><strong>Responses should include references to:</strong></td>
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<td><strong>Explanations should make appropriate reference to (and relate the choices made to):</strong></td>
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<td>– use of product logo to promote brand</td>
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<td>– use of product logo to promote brand</td>
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<td>– use of uppercase to emphasise the bio/eco aspect of the product</td>
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<td>– use of uppercase to emphasise the bio/eco aspect of the product</td>
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<td>or any other appropriate description.</td>
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<td>4 a i</td>
<td><img src="image" alt="Diagram" /></td>
<td>3</td>
<td>There are 10 areas of hatching which could be shown.</td>
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<td>- 8–10 areas (3 marks)*</td>
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<td>*To achieve full marks candidates must not hatch the web, bolt and nut.</td>
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<tr>
<td>4 a ii</td>
<td>Web</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Question</td>
<td>Expected response</td>
<td>Max mark</td>
<td>Additional guidance</td>
</tr>
<tr>
<td>----------</td>
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<td>---------------------</td>
</tr>
<tr>
<td>4 a iii</td>
<td><img src="image1.png" alt="Diagram" /></td>
<td>1</td>
<td>Two diagonal lines should be shown in the correct area (1 mark).</td>
</tr>
</tbody>
</table>
| 4 b i    | ![Diagram](image2.png) | 2        | British Standards hatching convention shown correctly on stage 1 and hatching shown inside thread area (1 mark)  
British Standards hatching convention shown correctly on stage 2 and hatching shown inside thread area below the bolt (1 mark)  
No marks are awarded for the hatching on the top plate |
<p>| 4 b ii   | A blind hole is a hole that is drilled or milled to a specified depth without breaking through to the other side of the material. | 1        |                     |</p>
<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>4 b iii</td>
<td>Metric</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>4 b iv</td>
<td>30 mm</td>
<td>1</td>
<td>30 mm ±1 mm</td>
</tr>
<tr>
<td>4 b v</td>
<td>Local or part section</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>4 b vi</td>
<td><img src="image" alt="Diagram" /></td>
<td>1</td>
<td>Correct British Standards tolerances applied to the view in stage 1. Any one of the three variants can be used.</td>
</tr>
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<tr>
<td>----------</td>
<td>-------------------</td>
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<td>---------------------</td>
</tr>
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</table>
| 5 a      | Generator line | 2        | For full marks, seven correct dimensions for points and one centre point within stated ranges.  
|          | Offset from line X (mm) (within the ranges) |          |  
|          | 1 | 13·15 |  
|          | 2 | 18·5-20·5 |  
|          | 3 | 27·5-29·5 |  
|          | 4 | 37·5-39·5 |  
|          | 5 | 37·39 |  
|          | 6 | 37·5-39·5 |  
|          | 7 | 36·5-38·5 |  
|          | Circle centre point | |  
|          | 17·19 | |  
| 5 b      | Candidate’s response must be within the following ranges:  
|          | $X=57–58\text{ mm}$ | 1 | Within the ranges given.  
|          | $Z = 49–51\text{ mm}$ | |  
| 6 a      | Explanations such as:  
|          | - The serif fonts are formal, traditional or old fashioned.  
|          | - They represent a more sophisticated or mature look to appeal to the older target market.  
|          | - The flicks and flowing curves in the font styles look friendly and safe to an older target market.  
|          | - Each letter flowing into the next makes it easier for an older target market to read.  
|          | or any other appropriate explanation. | 2 | Two explanations at 1 mark.*  
<p>|          | | | *It is not sufficient to state that it appeals to the older target market. |</p>
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| 6 b      | Explanations such as:  
  - The page is rectilinear and so are the boxes, lines and the square.  
  - The cropped images create curved or natural shapes that bring eye-catching contrast with/visual interest against the rectilinear shapes.  
  - The cropped cyclist and helmet (the product) stand out against a simple geometric backdrop.  
  - The punctuation circles add contrast against the rectilinear shapes in the layout.  
  
  OR  
  - The curved text above the cyclist creates contrast with the rectilinear shapes in the layout.  
  - The purpose of the advert is to attract attention quickly; the contrasting shapes (mentioned earlier) help ensure this.  
  - The curved text mimics (harmonises with) the shape of the helmet and appears to protect the cyclist’s head.  
  or any other appropriate explanation. | 2 | Two explanations at 1 mark. |
| 6 c      | Explanations such as:  
  The orange line:  
  - creates a unifying accent colour with the other orange items  
  - creates depth by passing behind the cyclist  
  - underlines (emphasises) part of the slogan. | 3 | Three explanations at 1 mark.*  
  *1 mark for each line colour explanation; 0 marks for repeated answers. |
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|          | The blue vertical line:  
• creates depth by passing behind the helmet  
• creates eye-catching contrast with the horizontal lines  
• harmonises with the horizontal blue line  
• separates the space for the web address.  
The blue horizontal line:  
• connects the layout items horizontally  
• aids alignment with the slogan and company name  
• creates eye-catching contrast with the orange colours  
• harmonises with the vertical blue line  
• creates a vertical/horizontal contrast  
• separates the space for the company name.  
or any other appropriate explanation. |  | One explanation from each set. |
| 6    d  | The advancing colour is red or orange.  
A description such as:  
The effect this colour has on the layout is that:  
• it lifts the red or orange items forward  
• makes the red or orange items more prominent  
• makes the red or orange items stand out more  
• creates contrast with the receding colours in the layout  
or any other appropriate description. | 2 | Correct identification of advancing colour at 1 mark  
Appropriate description of the effect at 1 mark |
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| 6 e i    | An explanation such as:  
   - It leaves two awkward spaces to fill rather than one usable space.  
     It misses the most natural focal points.  
     or any other appropriate explanation. | 1 | One explanation at 1 mark.*  
     *The same answer cannot be used for e(i) and e(ii). |
| 6 e ii   | An explanation such as:  
   - It will create visual interest through asymmetry, white space, and a natural focal point.  
   - It leaves a single space that is easier to fill/populate.  
     or any other appropriate explanation. | 1 | One explanation at 1 mark.*  
     *The same answer cannot be used for e(i) and e(ii). |
| 6 f      | An explanation such as:  
   - The font is a graffiti/grungy/sans serif style and is fun and youthful.  
   - Images of mountain bike stunts connect with target market.  
   - Tilted images and items make the layout less formal and create visual interest.  
   - Bold, contrasting colours (blue and red) create a youthful look.  
   - Distressed images will appeal to young target market.  
     or any other appropriate explanation. | 3 | Three explanations at 1 mark. |
| 7 a      | Explanation for headers and footers such as:  
   - They can assist in navigating within a document.  
   - They display useful information including, title/chapter, page number, date, author. | 2 | Two explanations at 1 mark. |
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|          | • They identify the document’s content.  
|          | • They create a sense of unity throughout a document or section. |          |                     |
| 7 b i    | Crop marks        | 1        | One identification at 1 mark. |
| 7 b ii   | Explanation such as:  
|          | • Crop marks illustrate the boundary where the document is to be cut after printing. | 1        | One explanation at 1 mark. |
| 7 b iii  | Explanation such as:  
|          | • To bleed is to extend a graphic or image frame beyond a trimmed edge of the page.  
|          | • To ensure the graphic or image extends to the very edge of the page of a document.  
|          | • Edge to edge printing. | 1        | One explanation at 1 mark. |
| 7 c      | Description of layering such as:  
|          | • Layering can support in creating a master page for future documents.  
|          | • Layering allows graphics and text to be edited separately.  
|          | • Layering supports image manipulation and can occur on separate layers.  
|          | • Layers can be duplicated and linked to other layers.  
|          | • Layers can be turned off or on to aid clarity.  
<p>|          | • Layers can be brought forward or backward as necessary. | 2        | Two descriptions at 1 mark. |</p>
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<tbody>
<tr>
<td>7 d i</td>
<td>Explanation of impact of <strong>use of reverse</strong> such as:</td>
<td>2</td>
<td>0 marks awarded for referencing design elements or design principles.</td>
</tr>
<tr>
<td></td>
<td>• offsets the main text from the headline/sub-headline</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• lightens the layout (decreases the value).</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7 d ii</td>
<td>Explanation of impact of <strong>dropped capital</strong> such as:</td>
<td>2</td>
<td>0 marks awarded for referencing design elements or design principles.</td>
</tr>
<tr>
<td></td>
<td>• emphasises the start of a paragraph</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• signifies the main text column.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7 d iii</td>
<td>Explanation of impact of when the <strong>main text column is converted from one to two columns</strong> such as:</td>
<td>2</td>
<td>0 marks awarded for referencing design elements or design principles.</td>
</tr>
<tr>
<td></td>
<td>• follows a standard method of presenting a main body of text</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• assists with the readability of the document.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

[END OF SPECIMEN MARKING INSTRUCTIONS]