

Commentary on candidate evidence

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

Candidate 1

Question 1(a)

The candidate was awarded **1 mark** for texture.

Question 1(b)(i)

The candidate was awarded **1 mark** for offset workplane 110mm between diameter 105 circle and 50 square. A further **1 mark** was awarded for loft between diameter 105mm circle and 50mm square.

The candidate stated the incorrect OD size of 97mm for the 105mm, 10mm extrude. Also, the shell has been applied to the bottom face after completion of the modelling and so no further mark was awarded for the shell or for the completion of the diameter 113mm ring.

Question 1(b)(ii)

The candidate was awarded **1 mark** for profile sketch shown on an elevation.

Question 1(c)

The candidate was awarded **1 mark** for mate top surface of blade 1 to underside of pin head.

The candidate did not mention centre axis, offset or orientate in order to access the other 3 marks.

Question 2

The candidate was awarded **1 mark** for the tyre and a further **1 mark** for the bushes.

All areas were clearly hatched with clear distinctions for each of the components.

Question 3(a)(i)

The candidate was awarded **1 mark** for transparency can easily be applied to background and a further **1 mark** for scalable without pixellation.

Question 3(a)(ii)

The candidate was awarded **0 marks** for png as this is not a vector file format.

Question 3(a)(iii)

The candidate was awarded **0 marks** because no valid responses were given.

Question 3(b)(i)

The candidate was awarded **1 mark** for separates text into different sections.

Question 3(b)(ii)

The candidate was awarded **0 marks** because no valid responses were given.

Question 3(b)(iii)

The candidate was awarded **0 marks** because they did not answer on symmetrical and asymmetrical balance.

Question 3(b)(iv)

The candidate was awarded **1 mark** for reverse effect with text creates contrast. A further **1 mark** was awarded for square shapes/straight lines contrast with circle in header.

Question 3(c)(i)

The candidate was awarded **1 mark** for showing DTP work in a realistic setting.

Question 3(c)(ii)

The candidate was awarded **1 mark** for changes can be made without the need for reprinting.

Question 3(d)(i)

The candidate was awarded **1 mark** for 'adding in the metal...allows it to be more eye-catching'.

No mark was awarded for the contrast mentioned as the candidate did not say what the metal texture contrasted with.

Question 3(d)(ii)

The candidate was awarded **1 mark** for drop shadows give impression of depth.

No mark was awarded for layering elements as the candidate did not specify which elements were layered. This is pointed out in the additional guidance column of the marking instruction.

Question 3(d)(iii)

The candidate was awarded **0 marks**. Although they described 'placing the graphic at the top and making it more dominant', they did not describe what was done to the graphic to make it dominant and therefore create emphasis.

Question 3(d)(iv)

The candidate was awarded **0 marks** because their first response about geometric shapes was too vague. In the second response, the candidate has not mentioned the repeated use of the colours.

Question 3(d)(v)

The candidate was awarded **1 mark** for vertical columns created within document to separate information for clarity. A further **1 mark** was awarded for separating information horizontally. (Music Festival, Bronze Silver, Gold packages and shuttle bus services.)

Question 3(d)(vi)

The candidate was awarded **1 mark** for edit layers without affecting other parts of the layout. Another **1 mark** was awarded for the layers can provide a master-page for similar future layouts.

Question 4(a)

The candidate was awarded **1 mark** for diameter/radius of profile 2.5mm, from axis @ 8.75mm.

Question 4(b)

The candidate was awarded **1 mark** for top edges chamfer 2mm, a further **1 mark** for path and profile with dimensions and a final **1 mark** for extrude/sweep along a path.

Question 4(c)

The candidate was awarded **0 marks** because no valid response was given.

Question 4(d)(i)

The candidate was awarded **0 marks** because no valid response was given.

Question 4(d)(ii)

The candidate was awarded **0 marks** because no valid response was given.

Question 4(d)(iii)

The candidate was awarded **0 marks** because no valid responses were given.

Question 4(e)

The candidate was awarded **1 mark** for dimension orientation and a further **1 mark** for inconsistent projection line gap.

Question 5(a)

The candidate was awarded **0 marks** because no valid responses were given.

Question 5(b)

The candidate was awarded **1 mark** for roads/streets/street names, **1 mark** for geographical features, woodland, rivers and a final **1 mark** for buildings.

Question 5(c)

The candidate was awarded **1 mark** for camping area closer to entrance and a further **1 mark** for closer to amenities.

Question 5(d)

The candidate was awarded **0 marks** because no valid response was given.

Question 5(e)

The candidate was awarded **1 mark** for access in/out of the buildings.

Question 5(f)

The candidate was awarded **1 mark** for replaced the number of trees that they have removed.

Question 5(g)

The candidate was awarded **0 marks** because no valid responses were given.

Question 5(h)

The candidate was awarded **1 mark** for colour contrast.

Question 5(i)

The candidate was awarded **1 mark** for promoting event to a wider audience and a further **1 mark** for gaining more profit through ticket sales or advertising.

Total – 36/90 marks

Candidate 2

Question 1(a)

The candidate was awarded **0 marks** because they gave one-word answers rather than a description of rendering techniques.

Question 1(b)(i)

The candidate was awarded **1 mark** for creating the diameter 105mm, 10mm thick cylinder. A further **1 mark** was awarded for the diameter 105mm sketched circle and sketched square 50mm.

1 mark was awarded for offset workplane 110mm between diameter 105 circle and 50 square and a final **1 mark** was awarded for loft between diameter 105mm circle and 50mm square.

The candidate mentioned the shell but did not specify which face to apply the shell.

The candidate did not mention the ID size of 97mm, but instead simply said 'remove the bottom face' which cannot be awarded any marks.

Question 1(b)(ii)

The candidate was awarded **1 mark** for profile sketch shown on an elevation. A further **1 mark** was awarded for sketch R2 semi-circle 9mm from base (or 1mm from lip) and a final **1 mark** was awarded for revolve R2 semi-circle 30 degrees around centre axis.

The candidate mentioned 'repeat steps to create second semi-circle' but did not mention the 30 degrees which would be in the opposite direction.

Question 1(c)

The candidate was awarded **1 mark** for centre axis on all three components. A further **1 mark** was awarded for mate top surface of blade 1 to underside of pin head and a final **1 mark** was awarded for offset 10mm between two correct surfaces (top or bottom).

Candidate used rotate rather than the correct orient command and therefore, no mark was awarded.

Question 2

The candidate was awarded **1 mark** for the tyre, a further **1 mark** for the wheel rim and a final **1 mark** for the bearing.

All areas were clearly hatched with clear distinctions for each of the components.

Question 3(a)(i)

The candidate was awarded **1 mark** for scalable without pixellation and a further **1 mark** for easy to edit colour.

Question 3(a)

The candidate was awarded **0 marks** because a png is not a vector file format extension.

Question 3(a)(iii)

The candidate was awarded **1 mark** for easier to enable remote working and a further **1 mark** for easier to collaborate on projects remotely.

The candidate also provided a third correct answer; reduced costs from use of ink, toner or paper however, the full marks available for this question had already been awarded.

Question 3(b)(i)

The candidate was awarded **1 mark** for separates graphic into different sections and a further **1 mark** for separates text into different sections.

Question 3(b)(ii)

The candidate was awarded **1 mark** for alignment of text centered down R.H column. A further **1 mark** was awarded for 'Text at the top and bottom of the graphics have been centrally aligned'.

The second mark awarded is not a bullet point in the marking instruction but is covered by the additional guidance; award a mark where the candidate has identified two features which are correctly aligned.

Question 3(b)(iii)

The candidate was awarded **0 marks** because they did not answer on symmetrical and asymmetrical balance.

Question 3(b)(iv)

The candidate was awarded **1 mark** for contrast between serif/sans serif/script typefaces.

Question 3(c)(i)

The candidate was awarded **1 mark** for showing DTP work in realistic setting and a further **1 mark** was awarded for different conditions can be shown.

Question 3(c)(ii)

The candidate was awarded **1 mark** because they mentioned the update of information which would be a live update - 'cancellations/mistakes can be updated easily.'

Question 3(d)(i)

The candidate was awarded **1 mark** for metal texture on publication creates contrast with the plain white background.

Question 3(d)(ii)

The candidate was awarded **1 mark** for drop shadows give impression of depth.

Question 3(d)(iii)

The candidate was awarded **1 mark** for scale/proportion of 'Scotrock' header creates emphasis. The eye is drawn to it as it is the largest element on the page.

Question 3(d)(iv)

The candidate was awarded **1 mark** for repetition of colour throughout and a further **1 mark** was awarded for repetition of typefaces (header and body text).

Question 3(d)(v)

The candidate was awarded **1 mark** for vertical columns created within document to separate information for clarity. A further **1 mark** was awarded for the table at the bottom separates information for clarity.

Question 3(d)(vi)

The candidate was awarded **1 mark** for layers can be turned on and off to improve clarity during the production of the layout.

Question 4(a)

The candidate was awarded **1 mark** for feature as a helix.

Question 4(b)

The candidate was awarded **1 mark** for centre plane, circle profile 5mm, extrude subtract through part. A further **1 mark** was awarded for creation of slot 5 x dia 16 x 20mm. Another **1 mark** was awarded for top edges chamfer 2mm and a final **1 mark** was awarded for path and profile with dimensions.

The candidate used the term sweep instead of sweep/extrude along a path.

The candidate lofted the tapered part of the top but failed to mention the second loft or extrude to create the top cylindrical part.

Question 4(c)

The candidate was awarded **1 mark** for draw profile with correct dimensions and a further **1 mark** was awarded for radial array 12 times over 270 degrees.

Question 4(d)(i)

The candidate was awarded **0 marks** because the diameter 5 annotation was missing an arrowhead and horizontal leader line.

Question 4(d)(ii)

The candidate was awarded **0 marks** because the thread dimension position was incorrect, not reaching the end of the bolt.

Question 4(d)(iii)

The candidate was awarded **0 marks** for this question.

The screw thread on the elevation did not reach the end of the bolt and no thread detail was added to the end elevation.

Question 4(e)

The candidate was awarded **1 mark** for measurements in inches.

Question 5(a)

The candidate was awarded **0 marks** because no valid responses were given.

Question 5(b)

The candidate was awarded **1 mark** for 'North symbol', **1 mark** for 'Contours' and a final **1 mark** for 'Streets names/area names'.

Question 5(c)

The candidate was awarded **1 mark** for contour lines close together, hilly area not suitable for camping and a further **1 mark** for closer to amenities.

Question 5(d)

The candidate was awarded **1 mark** for 5 trees.

Question 5(e)

The candidate was awarded **0 marks** because no valid response was given.

Question 5(f)

The candidate was awarded **0 marks** because no valid response was given.

The candidate mentioned using the removed trees for the decking. This is not the same as reclaimed timber. It is highly unlikely that the contractor would have equipment on site to machine and process the newly cut trees. Also, the timber would not be seasoned in any way and would therefore be unsuitable.

Question 5(g)

The candidate was awarded **1 mark** for size of the building and a further **1 mark** for amount of detail.

Question 5(h)

The candidate was awarded **1 mark** for compatible with different screen sizes and aspect ratios.

Question 5(i)

The candidate was awarded **1 mark** for promoting event to a wider audience.

Total – 51/90 marks

Candidate 3

Question 1(a)

The candidate was awarded **0 marks** because they provided only one-word responses, not a description of rendering techniques.

Question 1(b)(i)

The candidate was awarded **1 mark** for creating the diameter 105mm, 10mm thick cylinder and a further **1 mark** for loft between diameter 105mm circle and 50mm square.

Question 1(b)(ii)

The candidate was awarded **1 mark** for profile sketch shown on an elevation and a further **1 mark** for sketch R2 semi-circle 9mm from base (or 1mm from lip).

Question 1(c)

The candidate was awarded **1 mark** for 'mate the pin to the top of the first blade'.

The candidate did not mention centre axis, offset or orientate in order to access the other 3 marks.

Question 2

The candidate was awarded **3 marks** as three areas were hatched with clear distinctions for each of the components. The extra areas hatched did not affect the overall mark.

Question 3(a)(i)

The candidate was awarded **1 mark** for vector graphics have a smaller file size than raster graphics.

The candidate's first response was not complete. It suggested no loss of quality when scaled, but they did not specifically mention scaling.

Question 3(a)(ii)

The candidate was awarded **0 mark** for. vga because this is not a vector file format.

Question 3(a)(iii)

The candidate was awarded **1 mark** for reduced costs from use of ink, toner or paper (printing costs).

Question 3(b)(i)

The candidate was awarded **1 mark** for separates graphic into different sections and a further **1 mark** for separates text into different sections.

Question 3(b)(ii)

The candidate was awarded **1 mark** for alignment of header with vertical line and name of pass holder.

The candidate called the header the title and mentioned alignment with the 001 and 002. This alignment is the same as at the other end with the name of the pass holder and the end of the title, so a mark was awarded. The additional guidance also covers this; award a mark where the candidate has identified two features which are correctly aligned.

Question 3(b)(iii)

The candidate was awarded **0 marks** because they did not answer on symmetrical and asymmetrical balance.

Question 3(b)(iv)

The candidate was awarded **1 mark** for square shapes/straight lines contrast with circle in header.

Question 3(c)(i)

The candidate was awarded **0 marks** because no valid response was given.

Question 3(c)(ii)

The candidate was awarded **0 marks** because no valid response was given.

Question 3(d)(i)

The candidate was awarded **0 marks** because no valid response was given.

Question 3(d)(ii)

The candidate was awarded **0 marks** because no valid response was given.

Question 3(d)(iii)

The candidate was awarded **1 mark** for scale/proportion of 'Scotrock' header creates emphasis. Eye is drawn to it as it is the largest element on the page.

Question 3(d)(iv)

The candidate was awarded **0 marks** because no valid response was given.

Question 3(d)(v)

The candidate was awarded **0 marks** because no valid response was given.

Question 3(d)(vi)

The candidate was awarded **0 marks** because no valid response was given.

Question 4(a)

The candidate was awarded **1 mark** for diameter/radius of profile 2.5mm, from axis @ 8.75mm and a further **1 mark** for feature as a helix.

Question 4(b)

The candidate was awarded **1 mark** for creation of slot 5 x dia 16 x 20mm and a further **1 mark** for top edges chamfer 2mm.

The candidate did not extrude along a path for the bottom of the stand. The top lofting had diameter errors. In regard to the diameter 5mm hole, the candidate did not use the extrude subtract command.

Question 4(c)

The candidate was awarded **0 marks** because no valid responses were given.

Question 4(d)(i)

The candidate was awarded **0 marks** because no valid responses were given.

Question 4(d)(ii)

The candidate was awarded **0 marks** because no response was given.

Question 4(d)(iii)

The candidate was awarded **0 marks** because no valid response was given.

Question 4(e)

The candidate was awarded **1 mark** for projection symbol, a further **1 mark** for measurements in inches and a final **1 mark** for dimensioning through leader lines.

Question 5(a)

The candidate was awarded **1 mark** for production graphic – technical details which allow construction of the building. A further **1 mark** was awarded for promotional graphic – clear details of all site amenities and a final **1 mark** was awarded for preliminary graphic – used to give a sense of how the site will be divided.

Question 5(b)

The candidate was awarded **1 mark** for roads/streets/street names. 'North' stated alone is not enough to describe the north sign.

Question 5(c)

The candidate was awarded **1 mark** for too many people in one area and a further **1 mark** for closer to entertainment.

Question 5(d)

The candidate was awarded **0 marks** because no valid response was given.

Question 5(e)

The candidate was awarded **1 mark** for access in/out of the buildings.

Question 5(f)

The candidate was awarded **1 mark** for 'used reclaimed timber' on the decked area.

Question 5(g)

The candidate was awarded **1 mark** for size of the building and a further **1 mark** for size of the paper.

Question 5(h)

The candidate was awarded **0 marks** because no valid response was given.

Question 5(i)

The candidate was awarded **1 mark** for free advertising.

Total – 33/90 marks

Candidate 4

Question 1(a)

The candidate was awarded **0 marks** because the candidate was asked to describe two illustration/rendering techniques but provided one-word answers rather than descriptions.

Question 1(b)(i)

The candidate was awarded **1 mark** for creating the diameter 105mm, 10mm thick cylinder. A further **1 mark** was awarded for the diameter 105mm sketched circle and sketched square 50mm.

Another **1 mark** was awarded for offset workplane 110mm between diameter 105 circle and 50 square and a final **1 mark** for loft between diameter 105mm circle and 50mm square.

The candidate did not apply the shell correctly and did not model the bottom ring successfully.

Question 1(b)(ii)

The candidate was awarded **1 mark** for vertical workplane being mentioned or a profile sketch being shown on an elevation.

Question 1(c)

The candidate was awarded **0 marks** because no valid responses were given.

Question 2

The candidate was awarded **1 mark** for hatching the tyre, **1 mark** for hatching the bushes and a final **1 mark** for hatching the wheel rim.

Three areas were clearly hatched with clear distinctions for each of the components.

Question 3(a)(i)

The candidate was awarded **1 mark** for scalable without pixellation and a further **1 mark** for vector graphics have a smaller file size than raster graphics.

Question 3(a)(ii)

The candidate was awarded **0 marks** for. STEP because this is not a vector file format.

Question 3(a)(iii)

The candidate was awarded **1 mark** for improves corporate image of company and a further **1 mark** for reduced costs from use of ink, toner or paper.

Question 3(b)(i)

The candidate was awarded **1 mark** for separates text into different sections.

Question 3(b)(ii)

The candidate was awarded **1 mark** for blocks of colour fill are in alignment with Scotrock Headline.

Question 3(b)(iii)

The candidate was awarded **0 marks** because they did not answer on symmetrical and asymmetrical balance.

Question 3(b)(iv)

The candidate was awarded **1 mark** for contrast with serif/sans serif/script typefaces.

Question 3(c)(i)

The candidate was awarded **1 mark** for showing DTP work in realistic setting and a further **1 mark** was awarded for different conditions can be shown, ie how publications look in light/dark rooms or in sunny/dark conditions.

Question 3(c)(ii)

The candidate was awarded **1 mark** for changes can be made without the need for reprinting.

Question 3(d)(i)

The candidate was awarded **0 marks** because no valid responses were given.

Question 3(d)(ii)

The candidate was awarded **1 mark** for drop shadows give impression of depth.

A further **1 mark** was awarded for layering of elements gives the impression of depth.

Question 3(d)(iii)

The candidate was awarded **0 marks** because no valid responses were given.

Question 3(d)(iv)

The candidate was awarded **1 mark** for repetition of colour throughout.

Question 3(d)(v)

The candidate was awarded **1 mark** for vertical columns created within document to separate information for clarity and a further **1 mark** was awarded for the table at the bottom separates information for clarity.

Question 3(d)(vi)

The candidate was awarded **1 mark** for edit layers without affecting other parts of the layout.

Question 4(a)

The candidate was awarded **1 mark** for diameter/radius of profile 2.5mm, from axis @ 8.75mm and a further **1 mark** was awarded for feature as a helix.

Question 4(b)

The candidate was awarded **1 mark** for top edges chamfer 2mm.

The candidate did not specify the profile for the mark for the sweep along a path. Nor did the candidate use the correct term sweep along a path. The top cannot be created as described using a simple revolve, but the candidate was given the mark for the chamfer. The candidate did not use the extrude subtract command for the dia 5mm hole therefore, no mark was awarded. The slot in the top was not created either as the candidate revolved the whole top section incorrectly.

Question 4(c)

The candidate was awarded **1 mark** for draw profile with correct dimensions.

No mark was awarded for the second bullet point as the extrude subtract command was not used.

Question 4(d)(i)

The candidate was awarded **0 marks** because no valid response was given.

Question 4(d)(ii)

The candidate was awarded **0 marks** because no valid response was given.

Question 4(d)(iii)

The candidate was awarded **1 mark** for correct BS thread convention on elevation and a further **1 mark** for correct BS thread convention on end elevation.

Question 4(e)

The candidate was awarded **1 mark** for measurements in inches.

Question 5(a)

The candidate was awarded **0 marks** because the candidate's responses were too vague, not specifically relating to the festival.

Question 5(b)

The candidate was awarded **1 mark** for scale.

Question 5(c)

The candidate was awarded **1 mark** for contour lines close together, hilly area not suitable for camping. A further **1 mark** was awarded for closer to amenities.

Question 5(d)

The candidate was awarded **0 marks** because no valid response was given.

Question 5(e)

The candidate was awarded **1 mark** for access in/out of the buildings.

Question 5(f)

The candidate was awarded **1 mark** for replaced the number of trees that they have removed and a further **1 mark** for used reclaimed timber on the decked area.

Question 5(g)

The candidate was awarded **1 mark** for size of building and a further **1 mark** was awarded for size of the paper.

Question 5(h)

The candidate was awarded **0 marks** because no valid responses were given.

Question 5(i)

The candidate was awarded **0 marks** because no valid responses were given.

Total – 39/90 marks

Candidate 5

Question 1(a)

The candidate was awarded **1 mark** for light and a further **1 mark** for shadow. The candidate also gave materials, which is also correct.

Question 1(b)(i)

The candidate was awarded **1 mark** for creating the diameter 105mm, 10mm thick cylinder and a further **1 mark** was awarded for the diameter 105mm sketched circle and sketched square 50mm.

Another **1 mark** was awarded for offset workplane 110mm between diameter 105 circle and 50 square and a final **1 mark** was awarded for loft between diameter 105mm circle and 50mm square.

The shell has been applied to the bottom face after completion of the modelling, so no mark was awarded for the shell. No mark was awarded for the ring as this would have been an 8mm shell if applied alone to the ring.

Question 1(b)(ii)

The candidate was awarded **0 marks** because no valid response was given.

Question 1(c)

The candidate was awarded **1 mark** for offset 10mm between two correct surfaces (top or bottom).

The candidate did not mention centre axis, mate or orientate in order to access the other 3 marks.

Question 2

The candidate was awarded **1 mark** for the tyre, **1 mark** for the wheel rim and a final **1 mark** for the bushes.

All areas were clearly hatched with clear distinctions for each of the components. The overall mark was not affected because of the extra areas hatched.

Question 3(a)(i)

The candidate was awarded **1 mark** for scalable without pixellation and a further **1 mark** for transparency can easily be applied to background.

The candidate gave a third correct response 'it can be easily made another colour', however full marks had already been achieved.

Question 3(a)(ii)

The candidate was awarded **0 marks** for Jpeg because this is not a vector file format.

Question 3(a)(iii)

The candidate was awarded **1 mark** for reduced costs from use of ink, toner or paper.

Question 3(b)(i)

The candidate was awarded **1 mark** for separates graphic into different sections. A further **1 mark** was awarded for separates text into different sections.

Question 3(b)(ii)

The candidate was awarded **1 mark** for main title at the top and the text at bottom of the document are centrally aligned.

The mark awarded is not a bullet point in the marking instruction but is covered by the additional guidance; award a mark where the candidate has identified two features which are correctly aligned.

Question 3(b)(iii)

The candidate was awarded **0 marks** because the candidate did not answer on symmetrical and asymmetrical balance.

Question 3(b)(iv)

The candidate was awarded **1 mark** for contrast between large/bold and small typefaces and a further **1 mark** for reverse effect with text creates contrast.

Question 3(c)(i)

The candidate was awarded **0 marks** because they did not mention the environment setting so no mark was awarded for the first response. The second response was not valid.

Question 3(c)(ii)

The candidate was awarded **1 mark** for changes can be made without the need for reprinting. A further **1 mark** was awarded for moving images/video can be added.

Question 3(d)(i)

The candidate was awarded **0 marks** because they stated that 'texture has been used to contrast with the other elements' but has not stated what it contrasts with. Had the candidate stated 'the metal looking substance contrasted with the white background, they would have gained 1 mark.

Question 3(d)(ii)

The candidate was awarded **1 mark** for drop shadows give impression of depth.

No mark was awarded for the 'placing elements on top of each other' as the candidate did not specify which elements they were referring to. The additional guidance in the marking instruction states; 'candidates must identify where a drop shadow or layering has been used for bullet points 1 and 2'.

Question 3(d)(iii)

The candidate was awarded **1 mark** for reverse effect/coloured boxes emphasises text.

Question 3(d)(iv)

The candidate was awarded **1 mark** for repetition of colour throughout.

Question 3(d)(v)

The candidate was awarded **0 marks** because they did not fully explain what grid structure was in evidence in the document, only giving the generic effects of a grid structure on a document.

Question 3(d)(vi)

The candidate was awarded **1 mark** for layers can be turned on and off to improve clarity during the production of the layout. A further **1 mark** was awarded for layers can be reordered, moved to front, moved to back.

Question 4(a)

The candidate was awarded **1 mark** for diameter/radius of profile 2.5mm, from axis @ 8.75mm. A further **1 mark** was awarded for length of spring @ 50mm or 5 revolutions of profile, pitch 10mm and a final **1 mark** was awarded for feature as a helix.

Question 4(b)

The candidate was awarded **1 mark** for creation of top as shown in detail view B with relevant dimensions. A further **1 mark** was awarded for creation of slot 5 x dia 16 x 20mm. Another **1 mark** was awarded for path and profile with dimensions and a final **1 mark** was awarded for extrude/sweep along a path.

The candidate did not use the extrude subtract command to create the 5mm hole. The candidate filleted the top edges rather than chamfering them.

Question 4(c)

The candidate was awarded **1 mark** for draw profile with correct dimensions and a further **1 mark** for extrude subtract profile 10mm.

Question 4(d)(i)

The candidate was awarded **1 mark** for M5.

Question 4(d)(ii)

The candidate was awarded **0 marks** because they did not add gaps between the extension lines and the bolt to conform fully with BS conventions.

Question 4(d)(iii)

The candidate was awarded **1 mark** for the correct BS thread convention on end elevation.

Question 4(e)

The candidate was awarded **1 mark** for projection symbol, a further **1 mark** for measurements in inches and a final **1 mark** for dimensioning through leader lines/dimension orientation.

The candidate was given credit for spotting an error in the dimensioning, but not stating where.

Question 5(a)

The candidate was awarded **1 mark** for production graphic –technical details which allow construction of the building. A further **1 mark** was awarded for promotional graphic – clear details of all site amenities.

Question 5(b)

The candidate was awarded **1 mark** for north sign, **1 mark** for contour lines and a final **1 mark** for street names.

Question 5(c)

The candidate was awarded **1 mark** for contour lines close together, hilly area not suitable for camping and a further **1 mark** for too many people in one area.

Question 5(d)

The candidate was awarded **1 mark** for 5 trees.

Question 5(e)

The candidate was awarded **1 mark** for access in/out of the buildings.

Question 5(f)

The candidate was awarded **1 mark** for replaced the number of trees that they have removed.

Question 5(g)

The candidate was awarded **1 mark** for size of the paper and a further **1 mark** for amount of detail being shown.

Question 5(h)

The candidate was awarded **1 mark** for compatible with different screen sizes and aspect ratios.

The other responses from the candidate were too vague to gain any further marks.

Question 5(i)

The candidate was awarded **1 mark** for promoting event to a wider audience and a further **1 mark** for gaining more profit through ticket sales or advertising.

Total – 54/90 marks

Candidate 6

Question 1(a)

The candidate was awarded **1 mark** for light and a further **1 mark** for shadow.

The candidate also gave a third correct answer 'materials', however full marks had already been achieved.

Question 1(b)(i)

The candidate was awarded **1 mark** for creating the diameter 105mm, 10mm thick cylinder. A further **1 mark** was awarded for the diameter 105mm sketched circle and sketched square 50mm and a final **1 mark** was awarded for loft between diameter 105mm circle and 50mm square.

The candidate misinterpreted the dimensions for the offset workplane for the loft. They stated 106mm instead of 110mm therefore, no mark was awarded for this bullet point.

The candidate did not create the ID size of 97mm by extrude or loft, they shelled it to 4mm therefore, no mark was awarded for the last two bullet points in the marking instruction.

Question 1(b)(ii)

The candidate was awarded **1 mark** for profile sketch shown on an elevation and a further **1 mark** for sketch R2 semi-circle 9mm from base (or 1mm from lip).

Question 1(c)

The candidate was awarded **1 mark** for offset 10mm between two correct surfaces (top or bottom).

The candidate did not mention centre axis, mate or orientate in order to access the other 3 marks.

Question 2

The candidate was awarded **1 mark** for the tyre or wheel rim and a further **1 mark** for bushes.

The cross-hatching style on the tyre and wheel rim were too similar in pitch and angle therefore there were no clear distinctions for each of the components. 1 mark was awarded for one of these components.

Question 3(a)(i)

The candidate was awarded **1 mark** for scalable without pixellation and a further **1 mark** for vector graphics have a smaller file size than raster graphics.

Question 3(a)(ii)

The candidate was awarded **0 marks** because a 'jpeg' is not a vector file format extension.

Question 3(a)(iii)

The candidate was awarded **1 mark** for reduced costs from use of ink, toner or paper.

Question 3(b)(i)

The candidate was awarded **1 mark** for separates graphic into different sections and a further **1 mark** for separates text into different sections.

Question 3(b)(ii)

The candidate was awarded **1 mark** for alignment of 'PRESS' and 'ARTIST' with camera, speaker silhouettes or triangle.

NB: The candidate completed their response in the 'Additional space for answers at the end of the question paper'.

Question 3(b)(iii)

The candidate was awarded **0 marks** because they did not answer on symmetrical and asymmetrical balance.

Question 3(b)(iv)

The candidate was awarded **1 mark** for contrast between large/bold and small typefaces. A further **1 mark** was awarded for reverse effect with text creates contrast.

Question 3(c)(i)

The candidate was awarded **1 mark** for showing DTP work in realistic setting and a further **1 mark** for giving clients an idea of scale.

Question 3(c)(ii)

The candidate was awarded **1 mark** for changes can be made without the need for reprinting.

Question 3(d)(i)

The candidate was awarded **0 marks**. Although they identified the texture, metal floor, they did not state how it was used to enhance the impact on the graphic.

Question 3(d)(ii)

The candidate was awarded **1 mark** for drop shadows give impression of depth.

Question 3(d)(iii)

The candidate was awarded **0 marks** for this question.

The candidate referred to making text bold, however you cannot tell from the graphic if these are emboldened fonts or just how the font normally appears. Had the candidate expanded and mentioned the capitalisation and larger bolder fonts, they would have been awarded the mark.

In the candidate's second response, they mentioned having the graphics on the layout large making them stand out. However, this is too vague as they haven't mentioned which graphics.

Question 3(d)(iv)

The candidate was awarded **1 mark** for repetition of colour throughout and a further **1 mark** was awarded for repetition of typefaces (header and body text).

Question 3(d)(v)

The candidate was awarded **1 mark** for vertical columns created within document to separate information for clarity.

Question 3(d)(vi)

The candidate was awarded **1 mark** for layers can be turned on and off to improve clarity during the production of the layout. A further **1 mark** was awarded for layers can be locked to stop them being edited or moved by mistake.

Question 4(a)

The candidate was awarded **1 mark** for diameter/radius of profile 2.5mm, from axis @ 8.75mm and a further **1 mark** for feature as a helix.

The candidate did not mention the number of turns or overall length of the spring.

Question 4(b)

The candidate was awarded **1 mark** for creation of top as shown in detail view B with relevant dimensions. A further **1 mark** was awarded for top edges chamfer 2mm. Another **1 mark** was awarded for path and profile with dimensions and a final **1 mark** was awarded for extrude/sweep along a path.

NB: The candidate completed their response in the 'Additional space for answers at the end of the question paper'.

The candidate created the centre plane, circle profile 5mm, but used extrude cut instead of the correct extrude subtract therefore, no mark was awarded.

The candidate partly created the 5mm by sketching two straight lines but failed to mention the diameter 16mm. Two straight lines alone would not create a valid sketch to extrude. They again used extrude cut instead of the correct extrude subtract command.

These two points are shown in the additional space for answers at the end of the question paper.

Question 4(c)

The candidate was awarded **1 mark** for draw profile with correct dimensions.

The candidate used extrude cut for the profile 10mm instead of extrude subtract therefore no mark was awarded. The candidate used circular array instead of radial array and did not mention the 270 degrees or sketch another 45 degrees to the other side of the centre line, therefore no mark was awarded.

Question 4(d)(i)

The candidate was awarded **0 marks** because no response was given.

Question 4(d)(ii)

The candidate was awarded **0 marks** because no response was given.

Question 4(d)(iii)

The candidate was awarded **1 mark** for correct BS thread convention on elevation.

Question 4(e)

The candidate was awarded **1 mark** for projection symbol, **1 mark** for dimensioning through leader lines, **1 mark** for centre line on the hole wrong line type and a final **1 mark** for inconsistent projection line gap.

Question 5(a)

The candidate was awarded **1 mark** for Figure 2 – promotional graphic: clear details of all site amenities.

Question 5(b)

The candidate was awarded **1 mark** for roads/streets/street names and a further **1 mark** for contour lines.

No mark was awarded for North line as this is not the correct name for the BS symbol.

Question 5(c)

The candidate was awarded **1 mark** for contour lines close together, hilly area not suitable for camping and a further **1 mark** for closer to amenities.

Question 5(d)

The candidate was awarded **0 marks** because no valid response was given.

Question 5(e)

The candidate was awarded **1 mark** for access in/out of the buildings.

Question 5(f)

The candidate was awarded **1 mark** for built around the existing natural environment.

Question 5(g)

The candidate was awarded **1 mark** for size of the paper.

The candidate's response stated 'size of the object', this is not specific enough. This is clarified in the additional notes for the marking instruction; 'Do not accept size of object, product, must state building for first bullet'.

Question 5(h)

The candidate was awarded **1 mark** for compatible with different screen sizes and aspect ratios.

Question 5(i)

The candidate was awarded **1 mark** for promoting event to a wider audience and a further **1 mark** for gaining more profit through ticket sales or advertising.

Total – 50/90 marks

Candidate 7

Question 1(a)

The candidate was awarded **1 mark** for light and a further **1 mark** for shadow.

The candidate also gave materials and texture, which are both correct.

Question 1(b)(i)

The candidate was awarded **1 mark** for creating the diameter 105mm, 10mm thick cylinder. A further **1 mark** was awarded for the diameter 105mm sketched circle and sketched square 50mm. Another **1 mark** was awarded for offset workplane 110mm between diameter 105 circle and 50 square and a final **1 mark** was awarded for loft between diameter 105mm circle and 50mm square.

The candidate stated the incorrect ID size of 97mm in the last paragraph therefore, no mark was awarded for the last bullet point in the marking instruction. Also, the shell has been applied to the bottom face after completion of the modelling therefore, no mark was awarded for the shell.

Question 1(b)(ii)

The candidate was awarded **1 mark** for sketching centre axis and 14mm x 4mm rectangle in correct position and revolve around centre axis and a further **1 mark** for profile sketch shown on an elevation.

Another **1 mark** was awarded for sketch R2 semi-circle 9mm from base (or 1mm from lip) and a further **1 mark** was awarded for revolve R2 semi-circle 30 degrees around centre axis.

A final **1 mark** was awarded for repeat sketch on other side and 30 degrees opposite direction.

Question 1(c)

The candidate was awarded **1 mark** for mate top surface of blade 1 to underside of pin head.

The candidate did not mention centre axis, offset or orientate in order to access the other 3 marks.

Question 2

The candidate was awarded **4 marks**.

All areas were clearly hatched with clear distinctions for each of the components

Question 3(a)(i)

The candidate was awarded **1 mark** for scalable without pixellation and a further **1 mark** for vector graphics have a smaller file size than raster graphics.

Question 3(a)(ii)

The candidate was awarded **1 mark** for .svg.

Question 3(a)(iii)

The candidate was awarded **0 marks** because no valid responses were given.

Question 3(b)(i)

The candidate was awarded **1 mark** for separates text into different sections and a further **1 mark** was awarded for aids clarity for reading.

Question 3(b)(ii)

The candidate was awarded **1 mark** for blocks of colour fill are in alignment with Scotrock Headline.

A further **1 mark** was awarded for alignment of 'PRESS' and 'ARTIST' with camera, speaker silhouettes or triangle.

Question 3(b)(iii)

The candidate was awarded **0 marks** because they did not answer on symmetrical and asymmetrical balance.

Question 3(b)(iv)

The candidate was awarded **1 mark** for reverse effect with text creates contrast.

Question 3(c)(i)

The candidate was awarded **1 mark** for showing DTP work in realistic setting.

Question 3(c)(ii)

The candidate was awarded **1 mark** for changes can be made without the need for reprinting and a further **1 mark** for moving images/video can be added.

Question 3(d)(i)

The candidate was awarded **1 mark** for metal texture on publication links with festival theme via links to industrial music/metal music/links with metal structures at festival.

Question 3(d)(ii)

The candidate was awarded **1 mark** for drop shadows give impression of depth. A further **1 mark** was awarded for layering of elements gives the impression of depth.

Question 3(d)(iii)

The candidate was awarded **1 mark** for colour in image at top and 'you are here' box creates emphasis.

Question 3(d)(iv)

The candidate was awarded **1 mark** for repetition of colour throughout and a further **1 mark** for repetition of triangular shapes throughout.

Question 3(d)(v)

The candidate was awarded **1 mark** for vertical columns created within document to separate information for clarity.

Question 3(d)(vi)

The candidate was awarded **1 mark** for edit layers without affecting other parts of the layout.

Question 4(a)

The candidate was awarded **1 mark** for length of spring @ 50mm or 5 revolutions of profile, pitch 10mm and a further **1 mark** for feature as a helix.

Question 4(b)

The candidate was awarded **1 mark** for creation of top as shown in detail view B with relevant dimensions, **1 mark** for top edges chamfer 2mm, **1 mark** for path and profile with dimensions and a further **1 mark** for extrude/sweep along a path.

Question 4(c)

The candidate was awarded **1 mark** for draw profile with correct dimensions, a further **1 mark** for extrude subtract profile 10mm and a final **1 mark** for radial array 12 times over 270 degrees.

Question 4(d)(i)

The candidate was awarded **0 marks** because no diameter symbol is present.

Question 4(d)(ii)

The candidate was awarded **1 mark** for correct length, position, arrows, projection lines and gaps to BS.

Question 4(d)(iii)

The candidate was awarded **1 mark** for correct BS thread convention on end elevation.

Question 4(e)

The candidate was awarded **1 mark** for measurements in inches.

Question 5(a)

The candidate was awarded **1 mark** for production graphic – technical details which allow construction of the building.

The candidate's other two responses were too vague, not specifically relating to the festival.

Question 5(b)

The candidate was awarded **1 mark** for north sign, **1 mark** for contour lines and a final **1 mark** for geographical features, woodland, rivers.

Question 5(c)

The candidate was awarded **1 mark** for contour lines close together, hilly area not suitable for camping.

Question 5(d)

The candidate was awarded **1 mark** for 5 trees.

Question 5(e)

The candidate was awarded **1 mark** for access in/out of the buildings.

Question 5(f)

The candidate was awarded **1 mark** for built around the existing natural environment and a further **1 mark** for replaced the number of trees that they have removed.

Question 5(g)

The candidate was awarded **1 mark** for size of the paper and a further **1 mark** for amount of detail being shown.

Question 5(h)

The candidate was awarded **1 mark** for multi-platform compatibility, eg iOS, Android, PC and a further **1 mark** was awarded for compatible with different screen sizes and aspect ratios.

Question 5(i)

The candidate was awarded **1 mark** for communication for family friends – safety.

Total – 61/90 marks

Candidate 8

Question 1(a)

The candidate was awarded **1 mark** for shadows and a further **1 mark** for reflection.

Question 1(b)(i)

The candidate was awarded **1 mark** for creating the diameter 105mm, 10mm thick cylinder. A further **1 mark** was awarded for the diameter 105mm sketched circle and sketched square 50mm. Another **1 mark** was awarded for offset workplane 110mm between diameter 105 circle and 50 square.

A further **1 mark** was awarded for loft between diameter 105mm circle and 50mm square and a final **1 mark** was awarded for shell to 4mm wall thickness, remove bottom face.

The candidate did not mention the ID size of 97mm in part 5 therefore, no mark was awarded for the last bullet point in the marking instruction.

Question 1(b)(ii)

The candidate was awarded **1 mark** for sketching centre axis and 14mm x 4mm rectangle in correct position and revolve around centre axis. Another **1 mark** was awarded for profile sketch shown on an elevation.

A further **1 mark** was awarded for sketch R2 semi-circle 9mm from base (or 1mm from lip) and another **1 mark** was awarded for revolve R2 semi-circle 30 degrees around centre axis.

A final **1 mark** was awarded for repeat sketch on other side and 30 degrees opposite direction.

Question 1(c)

The candidate was awarded **1 mark** for offset 10mm between two correct surfaces (top or bottom).

The candidate did not mention centre axis, mate or orientate in order to access the other 3 marks.

Question 2

The candidate was awarded **4 marks**.

All areas were clearly hatched with clear distinctions for each of the components.

Question 3(a)(i)

The candidate was awarded **1 mark** for scalable without pixellation and a further **1 mark** for easy to edit colour.

Question 3(a)(ii)

The candidate was awarded **0 marks** because a pdf is not a vector file format extension.

Question 3(a)(iii)

The candidate was awarded **0 marks**.

The candidate's first answer is too vague and the second point can't be quantified.

Question 3(b)(i)

The candidate was awarded **1 mark** for separates text into different sections.

Question 3(b)(ii)

The candidate was awarded **1 mark** for blocks of colour fill are in alignment with Scotrock Headline.

Question 3(b)(iii)

The candidate was awarded **0 marks** as they did not answer on symmetrical and asymmetrical balance.

Question 3(b)(iv)

The candidate was awarded **1 mark** for contrast between serif/sans serif/script typefaces.

Question 3(c)(i)

The candidate was awarded **1 mark** for showing DTP work in realistic setting and a further **1 mark** for giving clients an idea of scale.

Question 3(c)(ii)

The candidate was awarded **1 mark** for moving images/video can be added.

Question 3(d)(i)

The candidate was awarded **1 mark** for metal texture on publication creates visual interest on document.

A further **1 mark** is awarded for metal texture on publication links with festival theme via links to industrial music/metal music/links with metal structures at festival.

Question 3(d)(ii)

The candidate was awarded **1 mark** for drop shadows give impression of depth and a further **1 mark** for layering of elements gives the impression of depth.

Question 3(d)(iii)

The candidate was awarded **1 mark** for reverse effect / coloured boxes emphasises text. Another **1 mark** was awarded for scale/proportion of 'Scotrock' header creates emphasis. Eye is drawn to it as it is the largest element on the page.

Question 3(d)(iv)

The candidate was awarded **1 mark** for repetition of colour throughout and a further **1 mark** for repetition of the metallic texture at the top and bottom.

Question 3(d)(v)

The candidate was awarded **1 mark** for vertical columns created within document to separate information for clarity. A further **1 mark** was awarded for the table at the bottom separates information for clarity.

Question 3(d)(vi)

The candidate was awarded **1 mark** for text and images can be edited separately and a further **1 mark** for the layers can provide a master-page for similar future layouts.

Question 4(a)

The candidate was awarded **1 mark** for diameter/radius of profile 2.5mm, from axis @ 8.75mm, **1 mark** for length of spring @ 50mm or 5 revolutions of profile, pitch 10mm and a final **1 mark** for feature as a helix.

Question 4(b)

The candidate was awarded **1 mark** for creation of top as shown in detail view B with relevant dimensions, **1 mark** for centre plane, circle profile 5mm, extrude subtract through part, **1 mark** for creation of slot 5 x dia 16 x 20mm, **1 mark** for top edges chamfer 2mm, **1 mark** for path and profile with dimensions and a final **1 mark** for extrude/sweep along a path.

Question 4(c)

The candidate was awarded **1 mark** for extrude subtract profile 10mm and a further **1 mark** for radial array 12 times over 270 degrees.

Question 4(d)(i)

The candidate was awarded **0 marks** because the M5 annotation was missing an arrowhead.

Question 4(d)(ii)

The candidate was awarded **1 mark** for correct length, position, arrows, projection lines and gaps to BS.

Question 4(d)(iii)

The candidate was awarded **1 mark** for correct BS thread convention on elevation.

Question 4(e)

The candidate was awarded **1 mark** for projection symbol, a further **1 mark** for dimension orientation, another **1 mark** for ends of cutting plane should go from short dash to thick long dash and a final **1 mark** for inconsistent projection line gap.

Question 5(a)

The candidate was awarded **0 marks** because there was no mention of preliminary, production or promotional in response.

Question 5(b)

The candidate was awarded **1 mark** for scale, **1 mark** for roads/streets/street names and a final **1 mark** for location of buildings.

Question 5(c)

The candidate was awarded **1 mark** for camping area closer to entrance and **1 mark** for closer to amenities.

Question 5(d)

The candidate was awarded **1 mark** for 5 trees.

Question 5(e)

The candidate was awarded **1 mark** for access in/out of the buildings.

Question 5(f)

The candidate was awarded **1 mark** for replaced the number of trees that they have removed.

Question 5(g)

The candidate was awarded **1 mark** for size of the building and a further **1 mark** for size of the paper.

Question 5(h)

The candidate was awarded **0 marks** because no valid response was given.

Question 5(i)

The candidate was awarded **1 mark** for promoting event to a wider audience and **1 mark** for gaining more profit through ticket sales or advertising.

Total – 66/90 marks