Level 3 Advanced Technical Certificate in Engineering

[1145-30], [360]

[Sample]
Introduction

General information about structure of the assignment pack

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- Assignment and tasks

Tutor section
- Guidance on tasks
- Guidance on assessment conditions
- Guidance on marking
- Marking criteria
- Mark sheet
- Feedback form
Candidate section

Candidate guidance

General guidance
This is a formal assessment that you will be marked and graded on. You will be marked on the quality and accuracy of your practical performance and any written work you produce. It is therefore important that you carry your work out to the highest standard you can. You should show how well you know and understand the subject and how you are able to use your knowledge and skills together to complete the tasks.

Plagiarism
Plagiarism is the failure to acknowledge sources properly and/or the submission of another person's work as if it were the candidate's own. Plagiarism is not allowed in this assignment. This is an assessment of your abilities, so the work must be all your own work and carried out under the conditions stated. You will be asked to sign a declaration that you have not had any outside help with the assessment.
Your tutor is allowed to give you some help understanding the assignment instructions if necessary, but they will record any other guidance you need and this will be taken into account during marking.
Where research is allowed, your tutor must be able to identify which work you have done yourself, and what you have found from other sources. It is therefore important to make sure you acknowledge all sources and clearly reference any information taken from them.

Timings and planning
You should take care when planning to make sure you have divided the time available between tasks appropriately. You should check your plan is appropriate with your tutor.
If you have a good reason for needing more time, you will need to explain the reasons to your tutor and agree a new deadline date. Changes to dates will be at the discretion of the tutor, and they may not mark work that is handed in after the agreed deadlines.

Health and Safety
You must always work safely, in particular while you are carrying out practical tasks.
You must always follow any relevant Health and Safety regulations and codes of practice.
If your tutor sees you working in a way that is unsafe for yourself or others, they will ask you to stop immediately, and tell you why. Your tutor will not be able to reassess you until they are sure you are ready for assessment and can work safely.

Presentation of work
Presentation of work must be neat and appropriate to the task.
You should make sure that each piece of work is clearly labelled with your name and the assignment reference.
All electronic files must be given a clear file name that allows your tutor to identify it as your work.
Written work eg reports may be word processed but this is not a requirement.
Assignment

You are a development engineer employed by a company that designs and manufactures cantilever parasols and awning systems for the leisure industry. The company are looking at expanding their product range and moving into making much larger canopies for the high-end market. The range's current cantilever canopy frames are made from steel, but this is heavy. With larger canopies being looked at, further increases in frame weight may be a limiting factor for portability and ease of use. Additionally, the effects of wind on these large canopies may impact upon the cantilever frame design and material selection.

You have been asked to design a new cantilever frame for the proposed range of large canopies. You have also been asked to carry out material experimentation to determine the flex of your design using a number of possible manufacturing materials.

The first stage of the development of your task will be to produce design drawings and an evaluation report for the project.

The basic requirements of the design model are:
- The cantilever assembly design should be rigid and be freestanding.
- The system will incorporate a base support system for locating on hard surfaces.
- It will not use an ‘in-ground concreted base fixing.
- The parasol assembly itself will be square and 4 x3m in size.
- The parasol assembly that will fix to the cantilever will weigh 10 kg.
- The height of the cantilever will be adjustable from 1.6m to 2.3m in elevated height.

You are required to:
- Evaluate different materials for the cantilever structure
- Produce a design specification for the new system
- Produce a production plan for the new system
- Produce a report on the proposed new system
**Tasks**

**Task 1**
Assess range of potential materials for the cantilever structure using experimentation.

a) Build a scaled cantilever load-cell utilising strain gauges.

b) The cantilever is to be built and measurements taken for a **minimum** of three selected potential structural materials.

c) Incrementally load the cantilever and record the resultant deflections across a range of scale loadings from 0 to twice the proposed canopy weight. Tabulate the readings.

d) Plot the deflection of each of the materials across the weight range on a comparative graph.

e) Select the design material that provides the least deflection with the lowest mass/weight ratio.

**Conditions of assessment:**
You must carry the task out on your own, under supervised conditions.

**What must be presented for marking:**
- test results
- graphs
- recommendations.

**Additional records to support your performance:**
- photographs or video clips of the cantilever taken by you and/or your assessor
- photographs, video clips and/or tutor’s notes of your working methods and quality of outputs, produced by your assessor.

**Task 2**
Produce a design specification from the design brief to include:

a) A description of your design, including 3D working drawings for all mechanical assemblies and components.

b) Components required differentiating between
   - those that are available
   - those that can be modified from available components
   - those that need to be specially manufactured

c) A complete bill of materials (BoM)

d) Produce calculations for:
   - the overall weight of the structure including the canopy
   - the rigidity of the framework when subjected to a 20km/hr wind. Provide a set of acceptable tolerances for movement and assess whether your design is in tolerance
   - the need for supporting structure (braces etc.) to aid rigidity.

**Conditions of assessment:**
You must carry the task out on your own, under supervised conditions.

**What must be presented for marking:**
• design specification, including working drawings
• details of components
• bill of materials
• calculations.

**Task 3**
Produce a detailed production plan for the system from its component parts. Detail the build, configuration step-by-step so that the plan can be used as a manufacturing procedure.

**Conditions of assessment:**
You must carry the task out on your own, under supervised conditions.

**What must be presented for marking:**
• production plan
• Gantt chart.

**Task 4**
Produce a report (no more than 1200 words) for your manager detailing the following:
• your design proposal
• details of the design model and its operation
• details of materials selected and reasoning for use
• recommendations on building a full-sized working model for further development including
  i. assembly
  ii. inspection
  iii. testing

**Conditions of assessment:**
You must carry the task out on your own, under supervised conditions.

**What must be presented for marking:**
• Report.
TUTOR GUIDANCE

This synoptic assessment is designed to require the candidate to use the knowledge, understanding and skills they have built up over the course of their learning for this qualification to tackle problems/tasks/challenges.

This approach to assessment emphasises to candidates the importance and applicability of the full range of their learning to practice in their industry area, and supports them in learning to take responsibility for transferring their knowledge, understanding and skills to the practical situation, fostering independence, autonomy and confidence.

Candidates are provided with a set of tasks. They then have to draw on the knowledge and skills they have to independently select the correct processes, skills, materials, and approaches to take, from across the qualification, to make good decisions that will achieve an end result that is fit for the specified purpose.

During the learning programme, it is expected that tutors will have taken the opportunity to set shorter, formative tasks that allow candidates to be supported to independently use the learning they have so far covered, drawing this together in a similar way, so they are familiar with the format, conditions and expectations of the synoptic assessment.

You should explain to candidates what the Assessment Objectives are and how they are implemented in marking the assignment, so they will understand the level of performance that will achieve them high marks. Assessment specification
The table below indicates the content assessed and evidence required for this synoptic assessment.

The candidate should not be entered for the assessment until the end of the course of learning for the qualification so they are in a position to complete the assignment successfully.
**Guidance on tasks**

**Time**
The recommended time allocated for the completion of the tasks and production of evidence for this assessment is approximately **20** hours. Candidates should be required to plan their work and have their plans confirmed for appropriateness in relation to the time allocated for each task.

It is recommended that centres allocate the time as follows:
- Task 1 – 5 hours
- Task 2 – 10 hours
- Task 3 – 2 hours
- Task 4 – 3 hours

**Resources**
Candidates must have access to a suitable range of resources to carry out the tasks including:
- Internet access for details of costs and components
- access to ICT software
- access to CAD software
- manufacturers' datasheets (for components)
- materials to develop the model.

**Health and safety**
Candidates should not be entered for assessment without being clear of the importance of working safely, and practice of doing so. The tutor must immediately stop an assessment if a candidate works unsafely. At the discretion of the tutor, depending on the severity of the incident, the candidate may be given a warning. If they continue to work unsafely however, their assessment must be ended and they must retake the assessment at a later date.

**Observation**
Where the tutor is required to carry out observation of performance, detailed notes must be taken of the quality of performance along with any other aspects of performance that will support a judgement of the marks to be awarded (eg measurements to confirm accuracy/tolerances). The tutor should refer to the marking grid to ensure appropriate aspects of performance are recorded. These notes will be used for marking and moderation purposes and so must be detailed and accurate.

Tutors should ensure that any supporting evidence including eg photographs or video can be easily matched to the correct candidate, are clear, sufficiently well-lit and showing the areas of particular interest for assessment (ie taken at appropriate points in production, showing accuracy of measurements where appropriate).

If candidates are required to work as a team, each candidate’s contribution must be noted separately. The tutor may intervene if any individual candidate’s contribution is unclear or to ensure fair access (see below).

**Preparation**
Candidates should be aware of which aspects of their performance will give them good marks in assessment. This is best carried out through routinely pointing out good or poor performance during the learning period, and through formative assessment. Candidates should be encouraged to do the best they can and be made aware of the difference between these summative assessments and any formative assessments they have been subject to. They may not have access to the marking grids.
**Guidance on assessment conditions**

The assessment conditions that are in place for this synoptic assignment are to:

- ensure the rigour of the assessment process
- provide fairness for candidates
- give confidence in the outcome.

They can be thought of as the rules that ensure that all candidates who take an assessment are being treated fairly, equally and in a manner that ensures their result reflects their true ability. The conditions outlined below relate to this summative synoptic assignment. These do not affect any formative assessment work that takes place. Formative assessment will necessarily take a significant role throughout the learning programme where support, guidance and feedback (with the opportunity to show how feedback has been used to improve outcomes and learning) are critical. This approach is not, however, valid for summative assessment. The purpose of summative assessment is to confirm the standard the candidate has achieved as a result of participating in the learning process.

**Authentication of candidate work**

Candidates are required to sign declarations of authenticity, as is the tutor. The relevant form is included in this assignment pack.

The completion of the final evidence for the tasks that make up this synoptic assignment must be completed in the specified conditions. This is to ensure authenticity and prevent malpractice as well as to assess and record candidate performance for assessment in the practical tasks. Any aspect that may be undertaken in unsupervised conditions is specified.

Candidates can rework any evidence that has been produced for this synoptic assignment during the time allowed. However, this must be as a result of their own review and identification of weaknesses and not as a result of tutor feedback. Once the evidence has been submitted for assessment, no further amendments to evidence can be made.

Candidate evidence must be kept secure to prevent unsupervised access by the candidate or others. Where evidence is produced over a number of sessions, the tutor must ensure learners and others cannot access the evidence without supervision. This might include storing written work or artefacts in locked cupboards and collecting memory sticks of evidence produced electronically at the end of each session.

**Accessibility and fairness**

Where the candidate has special requirements, tutors should refer to the separate guidance document.

Tutors can provide clarification to any candidate on the requirements of any aspect of this synoptic assignment. Tutors should not provide more guidance than the candidate needs as this may impact on the candidate’s grade. Guidance must only support access to the assignment and must not provide feedback for improvement. Any clarification and guidance should be recorded fully and must be taken into account along with the candidate’s final evidence during marking and must be made available for moderation. Tutors must not provide feedback on the quality of the performance or how the quality of evidence can be improved. This would be classed as tutor malpractice. Tutors should however provide general reminders to candidates throughout the assessment period that they must check their work thoroughly before submitting it to be sure that they are happy with their final evidence as it may not be worked on further after submission.
It is up to the marker during marking to decide in what area, if any, the guidance provided suggests the candidate is lacking, the severity of the issue, and how to award marks on the basis of this full range of evidence. The marker must record where and how guidance has had an impact on the marks given, so this is available should queries arise at moderation or appeal.

Example
A tutor should intervene if a candidate has taken a course of action that will result in them not being able to submit the full range of evidence for assessment. However this should only take place once the tutor has prompted the candidate to check that they have covered all the requirements. Where the tutor has to be explicit as to what the issue is, this is likely to demonstrate a lack of understanding on the part of the candidate rather than a simple error. The tutor should do their best to refrain from providing guidance if the candidate is thought to be able to correct the issue without it, and a prompt would suffice. In other words only the minimum support the candidate actually needs should be given, since the more guidance provided, the larger the impact on the marks awarded. Both prompts and details of the nature of any further guidance must be recorded and reviewed during marking and moderation.

A tutor may not provide guidance that the candidate’s work is not at the required standard or how to improve their work. In this way, candidates are given the chance to identify and correct any errors on their own, providing valid evidence of knowledge and skills that will be credited during marking.

Tutors should ensure that candidates’ plans or completion of the tasks distribute the time available appropriately and may guide candidates on where they should be up to at any point in a general way. Any excessive time taken for any task should be recorded and should be taken into account during marking if appropriate.

All candidates must be provided with an environment and resources that allows them access to the full range of marks available.

Where candidates have worked in groups to complete one or more tasks for this synoptic assessment, the tutor must ensure that no candidate is disadvantaged as a result of the performance of any other team member. If a team member is distracting or preventing another team member from fully demonstrating their skills or knowledge, the tutor must intervene.
Guidance on marking

Please see the centre guidance document *Guidance for assessment of City & Guilds technical qualifications, including grading and use of marking grids* for detailed guidance on using the following marking grid.
## Marking grid

For any category, 0 marks may be awarded where there is no evidence of achievement

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<tr>
<th>%</th>
<th>Assessment Objective</th>
<th>Band 1 descriptor</th>
<th>Band 2 descriptor</th>
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<tbody>
<tr>
<td>10</td>
<td><strong>AO1 Recall</strong> of knowledge relating to the qualification LOs</td>
<td>Poor to limited</td>
<td>Fair to good</td>
<td>Strong to excellent</td>
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<td></td>
<td>• Does the candidate seem to have the full breadth and depth of taught knowledge across the qualification to hand?</td>
<td>Recall shows some weaknesses in breadth and/or accuracy. Hesitant, gaps, inaccuracy</td>
<td>Recall is generally accurate and shows reasonable breadth. Inaccuracy and misunderstandings are infrequent and usually minor. Sound, minimal gaps</td>
<td>Consistently strong evidence of accurate and confident recall from the breadth of knowledge. Accurate, confident, complete, fluent</td>
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<td>• How accurate is their knowledge? Are there any gaps or misunderstandings evident?</td>
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<td></td>
<td>• How confident and secure does their knowledge seem?</td>
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<td></td>
<td><strong>Examples of types of knowledge expected:</strong> mechanical and design calculations, identification of mechanical component parts, technological terms, mechanical theory, manufacturing operations, CAD system operations, product planning terms, product planning theory, report writing principles.</td>
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<td></td>
<td>Candidate has shown basic knowledge from across the qualification, with some insecurity in some areas. Examples provided cover a limited range.</td>
<td>Candidate has shown a good range of knowledge from across the qualification which is sound and often detailed.</td>
<td>Candidate shows in-depth and detailed knowledge across the whole qualification range showing a high degree of confidence and accuracy.</td>
<td></td>
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<p>| 20 | <strong>AO2 Understanding</strong> of concepts theories and processes relating to the LOs | (1-4 marks) Some evidence of being able to give explanations of concepts and theories. Explanations appear to be recalled, simplistic or incomplete. Misunderstanding, illogical connections, guessing, | (5-8 marks) Explanations are logical. Showing comprehension and generally free from misunderstanding, but may lack depth or connections are incompletely explored. Logical, slightly disjointed, plausible, | (9-12 marks) Consistently strong evidence of clear causal links in explanations generated by the candidate. Candidate uses concepts and theories confidently in explaining decisions taken and application to new situations. Logical reasoning, thoughtful decisions, causal links, justified |
|   | • Does the candidate make connections and show causal links and explain why? | | | |
|   | • How well theories and concepts are applied to | | | |</p>
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| new situations/the assignment?  
- How well chosen are exemplars – how well do they illustrate the concept? | Examples of understanding expected: relationship between mechanical interface of equipment design and human use, relationship between mechanical components, selection of components, capabilities and functionality of load cell, parameters for experimentation, properties of materials and components, manufacturing planning processes, manufacturing processes, structural and design performance characteristics. | Bottom of band: Candidate has shown a basic understanding of some key concepts.  
Top of band: Candidate has shown basic understanding of concepts from across the qualification. Some points were covered in detail. | Bottom of band: Candidate has shown understanding of a range of concepts from across the qualification, which were sound and often detailed.  
Top of band: Candidate has shown a broad range of understanding of concepts, making links to practice. Understanding is consistent with reasoning coherent and well explained. | Bottom of band: Candidate has shown in-depth and detailed understanding of concepts across the whole qualification range, showing a high degree of confidence and accuracy.  
Top of band: Candidate explanations are clear and strong links have been made between concepts and links to practice. Concepts and understanding were applied consistently and effectively with recommendations. |
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| 20 | AO3 Application of practical/technical skills  
- How practiced/fluid does hand eye coordination and dexterity seem?  
- How confidently does the candidate use the breadth of practical skills open to them? | Poor to limited  
Some evidence of familiarity with practical skills. Some awkwardness in implementation, may show frustration out of inability rather than lack of care. Unable to adapt, frustrated, flaws, out of tolerance, imperfect, clumsy. | Fair to good  
Generally successful application of skills, although areas of complexity may present a challenge. Skills are not yet second nature. Somewhat successful, some inconsistencies, fairly adept/capable. | Strong to excellent  
Consistently high levels of skill and/or dexterity, showing ability to successfully make adjustments to practice; able to deal successfully with complexity. Dextrous, fluid, comes naturally, skilled, practiced, |

**Examples of skills expected:** degree of accuracy, features of CAD software used effectively, manual dexterity in experimentation, measuring, testing, health and safety.
<table>
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<tr>
<th>How accurately/successfully has the candidate been able to use skills/achieve practical outcomes?</th>
<th>Bottom of band: Candidate created outputs some of which were incomplete. May not show full range of skills to complete tasks but was able to work safely at all times.</th>
<th>Bottom of band: Candidate demonstrated application of technical skills to create required outputs which were generally accurate and some interrelationships evident. Able to obtain accurate data from tests and work safely at all times. Demonstrated manual dexterity in the use of equipment and materials.</th>
<th>Bottom of band: Candidate demonstrated consistent application of technical skills. Outputs were accurate, functional and finished to a high standard with clear relationships between them. Obtained valid, reliable and accurate data through appropriate methodologies. Technology and software were used effectively. Showed a high degree of manual dexterity in the use of equipment and materials. Able to work safely at all times.</th>
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<td><strong>20</strong></td>
<td>AO4 Bringing it all together - coherence of the whole subject</td>
<td>(1-4 marks) Some evidence of consideration of theory when attempting tasks. Tends to attend to single aspects at a time without considering implication of contextual information. Some random trial and error, new situations are challenging, expects guidance, narrow. Many need prompting.</td>
<td>(5-8 marks) Shows good application of theory to practice and new context, some inconsistencies. Remembers to apply theory, somewhat successful at achieving fitness for purpose. Some consolidation of theory and practice.</td>
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</table>

**Examples of bringing it all together:** applying knowledge and understanding across all tasks, justifying recommendations/approaches taken, understanding of mechanical components in CAD, representation of mechanical features using CAD, application of understanding of product planning, application of understanding of measurement to testing of mechanical components, application of understanding of material properties and manufacturing processes for the development of a design.
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<td></td>
<td>Poor to limited</td>
<td>Fair to good</td>
<td>Strong to excellent</td>
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<td><strong>Bottom of band:</strong> Candidate presented some evidence of using their knowledge, understanding and skills to make straightforward links between limited topics across the qualification.</td>
<td><strong>Bottom of band:</strong> Candidate consistently brought together their knowledge, understanding and skills when developing the design model. Key links were made between a range of topics from across the qualification.</td>
<td><strong>Bottom of band:</strong> Candidates used a wide range of knowledge, understanding and skills from across the qualification when developing and evaluating the design model. Integration of knowledge, understanding and skills informed recommendations for development of design model to commercial manufacture.</td>
</tr>
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<td><strong>Top of band:</strong> Candidate consistently brought together their knowledge, understanding and skills when developing the design model. Key links were made between a range of topics from across the qualification.</td>
<td><strong>Top of band:</strong> Candidate used a range of knowledge, understanding and skills from across the qualification when developing and evaluating the design model. Integration of knowledge, understanding and skills informed development of design model to commercial manufacture.</td>
<td><strong>Top of band:</strong> Candidate used a wide range of knowledge, understanding and skills from across the qualification to develop and evaluate the design model. Integration of knowledge, understanding and skills informed justified recommendations for development of design model to commercial manufacture.</td>
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<td>10</td>
<td>AO5 Attending to detail/perfecting</td>
<td>(1-2 marks) Easily distracted or lack of checking. Insufficiently concerned by poor result; little attempt to improve. Gives up too early; focus may be on completion rather than quality of outcome. Careless, imprecise, flawed, uncaring, unfocussed, unobservant, unmotivated.</td>
<td>(3-4 marks) Aims for satisfactory result but may not persist beyond this. Uses feedback methods but perhaps not fully or consistently. Variable/intermittent attention, reasonably conscientious, some imperfections, unremarkable.</td>
<td>(5-6 marks) Alert, focussed on task. Attentive and persistently pursuing excellence. Using feedback to identify problems for correction. Noticing, checking, persistent, perfecting, refining, accurate, focus on quality, precision, refinement, faultless, meticulous.</td>
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**Examples of attending to detail:** meeting specific requirements of the task, attention to detail when completing drawings and assemblies (accuracy, neatness, annotation, orientation of components, structural integrity, finishing).

Candidate showed limited attention to detail. Evidence provided showed inaccuracies or gaps in assessment tasks.

Candidate showed consistent attention to detail. Evidence provided was generally accurate and related to specific tasks.

Candidate was highly focused on the task showing care and attention to detail. Minimal errors were evident.

| N/A | AO6 Identify and use knowledge from other sources – research | N/A                                                                                     | N/A                                                                                     | N/A                                                                                     |

**Examples of research:**

N/A
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<td>10</td>
<td>AO7 Originality and creativity</td>
<td>Designs and solutions to problems follow conventional routes. Some evidence of experimentation or novel thought. Unimaginative, uses existing/conventional ideas, safe.</td>
<td>Evidence of creativity/originality/experimentation, but may be incompletely developed or lacking in clear intention. Somewhat original, beginnings of an idea, partially developed, lacking in confidence; avoiding risk, falling back on convention.</td>
<td>Opportunities for creativity are identified and tackled with originality and imagination. Takes risks/experimental Original, creative, unique, unconventional, risky, fully developed, inspired.</td>
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<tr>
<td></td>
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<td>(1-2 marks)</td>
<td>(3-4 marks)</td>
<td>(5-6 marks)</td>
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**Examples of creativity:** mechanical design simplicity, functionality, expansion and evolution considerations, use of modern materials, materials choice in respect of environmental conditions, manufacturing streamlining, consideration of various design perspectives (ergonomics, aesthetics, environment impact).

Candidate presents a safe idea for a system based on well established ideas and concepts.

Candidate shows creativity in developing a system which requires further development.

Candidate shows creativity with an original, fully developed and inspired system.

| 10 | AO8 Communication/Presentation/Documentation | Format choices are limited to a basic ‘tool kit’ and sometimes inappropriate. Some evidence of attempts to use structure and layout to aid communication. Somewhat disorganised/unstructured, informal, basic. | Some successful use of conventional formats, but some content may be lacking, e.g. in logical/coherent approach. Reasonably successful, conveys message quite well. | Appropriate choice of methods, layout, styles and conventions maximise communication. Written style and structure/composition is coherent and logical. Professional, organised, well structured, easy to follow, even complex ideas. |
|    |                                            | (1-2 marks)                        | (3-4 marks)                        | (5-6 marks)                        |

**Examples of communication:** drawings (use of appropriate conventions, accuracy, definition of detail), test results summary, evaluation report (coherence of arguments, well-expressed sentence structure and grammar).
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<tr>
<td></td>
<td>Poor to limited</td>
<td>Fair to good</td>
<td>Strong to excellent</td>
<td></td>
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<tr>
<td>20%</td>
<td><strong>writing that is coherent and easy to follow?</strong></td>
<td><strong>Candidate drawings reflect limited use of conventions with inaccuracies and significant omissions in line types, symbols and annotation. Final drawings not representative of design. Limited visualisation techniques used. There were significant omissions in presentation of data with inaccuracies in multiples and sub-multiples and limited labelling. Presentation of evaluation report was incoherent with significant spelling and grammatical errors.</strong></td>
<td><strong>Candidate drawings had some omissions but limited inaccuracies in use of conventions. Some visualisation techniques were used to show most aspects of model, with minor omissions. The report had some structure with some grammatical and/or spelling errors which did not impact significantly on the readability. All data was presented but labelling and use of appropriate measurement units was not consistent. Some aspects were neat but there was inconsistency.</strong></td>
<td><strong>Candidate made accurate use of conventions in drawings. A high level of detail was provided. Some visualisation techniques were used to show all aspects of design model. Presentation of report was clear and logically structured with only minor grammatical and/or spelling errors. Data was presented clearly with appropriate labelling and measurement units. Communication was consistently neat.</strong></td>
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</table>

- How appropriate and well presented are the chosen communication methods and formats?
Declaration of Authenticity

Candidate name ................................................................. Candidate number .................................................................

Centre name ................................................................. Centre number .................................................................

**Candidate:**

I confirm that all work submitted for this synoptic assignment is my own, and that I have acknowledged all sources I have used.

Candidate signature ................................................................. Date .................................................................

**Tutor:**

I confirm that all work was conducted under conditions designed to assure the authenticity of the candidate's work, and am satisfied that, to the best of my knowledge, the work produced is solely that of the candidate.

Tutor signature ................................................................. Date .................................................................
### Assessment feedback form

<table>
<thead>
<tr>
<th>Candidate name</th>
<th>Candidate number</th>
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<table>
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<tr>
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<th>Feedback</th>
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Tutor signature and date:

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