

T Level Technical Qualification in Onsite Construction (8711)

Onsite Construction Core (8711-30) - Theory exam (1) (8711-031)

Mark Scheme

SAMPLE

Marker guidance

Unless otherwise stated in the marker guidance for a specific question, the following conventions apply:

- All marking, from start to finish must be consistent and in line with the mark scheme guidance. Continue to refer to the mark scheme throughout marking.
- For questions that ask for a specific number of points, accept the first answers given up to the number requested e.g. State three... only accept the first three answers listed, and disregard any additional answers provided.
- For questions requiring continuous prose answers, mark positively – all correct answers should receive the appropriate mark according to the mark scheme. Any wrong (**but neutral**) answers should be ignored, and no marks should be lost.
- In some circumstances, it is appropriate to disallow a candidate answer that initially appears to give the correct answer as given in the mark scheme, if it is undermined by the fact that it goes on to actively **contradict** its intention. Sometimes the minimal wording used in the mark scheme allows a match that in reality is trivial and it is clear the candidate is referring to the wrong knowledge/understanding. Only the part of the response to which the contradiction applies should be disallowed, not the whole response. Material that is irrelevant/neutral but not contradictory should be ignored and positive marking applied as above.
- Use all marks for a question as described by the mark scheme – e.g. for a 2-mark question, 0, 1 or 2 marks will always be available to award (never just 0 or 2). For levels marking, the full range of marks should be used freely as described by the mark scheme including 0 and full marks.
- Always award whole marks; $\frac{1}{2}$ marks cannot be awarded.
- Allow phonetic misspellings as long as the meaning is clear, i.e. not so similar to another relevant but wrong term that you have to guess which was intended.
- Only allow 'it' as reference to the question topic if it is clear what 'it' refers to.
- Mark crossed out work UNLESS it has been replaced by another response.
- Where judgement is required, apply the guidance. Where the guidance does not sufficiently support for a particular candidate response/interpretation, contact your Team Lead.
- Contact your Team Lead if any additional correct answers arise which need to be added to the mark scheme.
- For level of response mark schemes:
 - First, read the full candidate response and decide which band descriptor best fits the overall level of quality of the response.
 - Then, to decide on a mark within the band, consider the **degree to which the response fits the criteria** – depending on the number of marks in the band.

Comprehensively	Top of mark range for the band	5 th	4th	3rd
Substantially	↑	4th	3rd	
Generally		3rd		2nd
		2nd	2nd	
Borderline	Positively mark and place on the bottom of the band	1st	1st	1st

The table below provides further detail on the descriptors used within each of the mark bands and what is expected at each level. Use the descriptors below alongside the mark scheme to support accurate and consistent judgment of candidate's response and allocation of marks.

	A02	A03a	A03b
Basic	Limited understanding that is relevant to the context or question. Limited accuracy in interpretation through lack of application of relevant knowledge and understanding.	Limited accuracy in analysis through lack of application of relevant knowledge and understanding.	Un-supported evaluation through lack of application of knowledge and understanding. Un-supported judgement through lack of application of knowledge and understanding.
Good	Some understanding that is relevant to the context or question. Some accuracy in interpretation through the application of some relevant knowledge and understanding.	Some accuracy in analysis through the application of some relevant knowledge and understanding.	Partially supported evaluation through the application of some relevant knowledge and understanding. Partially supported judgement through the application of some relevant knowledge and understanding.
Thorough	A range of accurate understanding that is relevant to the context or question. Accurate interpretation through the application of relevant knowledge and understanding.	Accurate analysis through the application of relevant knowledge and understanding.	Supported evaluation through the application of relevant knowledge and understanding. Supported judgement through the application of relevant knowledge and understanding.
Comprehensive	A range of detailed and accurate understanding that is fully relevant to the context or question. Detailed and accurate interpretation through the application of relevant knowledge and understanding.	Detailed and accurate analysis through the application of relevant knowledge and understanding.	Detailed and substantiated evaluation through the application of relevant knowledge and understanding. Detailed and substantiated judgement through the application of relevant knowledge and understanding.

Assessment Objectives

AO1a	AO1b	AO2	AO3
Recall of knowledge	Demonstrates understanding	Apply knowledge and understanding to different situations and contexts	Analyse and evaluate information and issues

The exam has been split into **two** sections.

Below details the types of questions and marks available for each section. Please allow time for each section accordingly.

Section A is made up of **60** marks and includes **18** low tariff and medium tariff, short answer questions, which target recall of knowledge, demonstration of understanding **and** application of knowledge and understanding.

Section B is made up of **30** marks and includes **3** extended response questions, which target application of knowledge and understanding **and** analysis and evaluation of information and issues.

Section A

Q1	A construction operative is required to keep up to date with safety issues specifically related to working in construction. State two types of CPD that could fulfil this.			
	Acceptable answer(s)	Guidance	Max marks	Test Spec ref & AO
	<ul style="list-style-type: none"> ● In-house training ● External training courses ● Professional bodies training ● Technical/professional conferences ● Open distance learning ● Sharing best practice ● Trade journals 	<p>Award 1 mark for each up to a maximum of 2</p> <p>Accept any other suitable answer that show types of CPD available in the construction Industry</p>	2	4.6 AO1a
KO	KO4 Construction & the built environment industry			
Paper	4 lines			

Q2	State two methods of tendering for a project.			
	Acceptable answer(s)	Guidance	Max marks	Test Spec ref & AO
	<ul style="list-style-type: none"> ● Open ● Selective ● Two-stage ● Preferred supplier ● Negotiated 	<p>Award 1 mark for each up to a maximum of 2</p> <p>Accept any other suitable answers</p>	2	4.4 AO1a
KO	KO4 Construction & the built environment industry			
Paper	2 lines			

Q3

Name parts A and B of the foundation connection in fig X

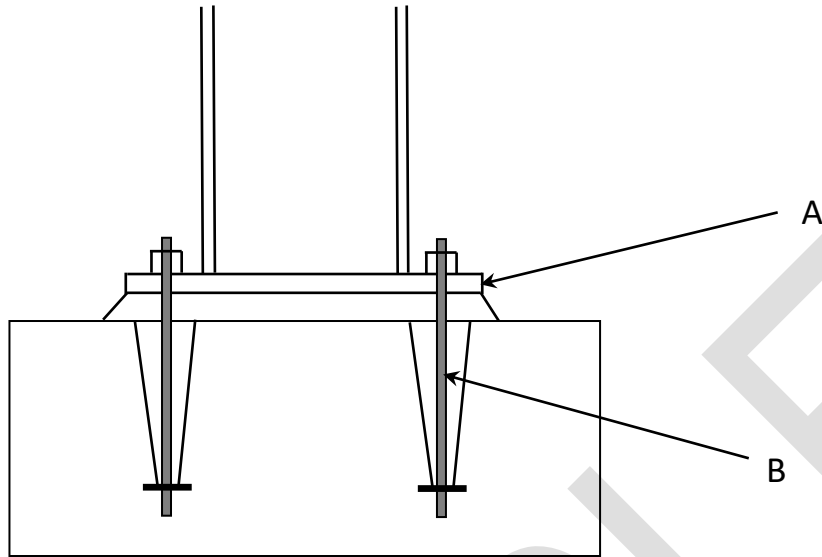


fig X

Acceptable answer(s)

Guidance

Max marks

Test Spec ref & AO

A = base plate/ column base plate/ stanchion base/ steel base plate

Award **1 mark** for each

2

**7.2
AO1a**

B = Holding down bolts

KO

KO7 Building technology principles

Paper

4 lines

Q4	Construction work can result in the production of waste materials that are considered to be hazardous and therefore require specialist measures when disposing of them. Identify three materials where this is required.			
	Acceptable answer(s)	Guidance	Max marks	Test Spec ref & AO
	<ul style="list-style-type: none"> • Asbestos • Solvents/chemicals/paint • Plasterboard • Oils • Batteries • Refrigerants 	Award 1 mark for each up to a maximum of 3 Accept any other answers that identifies other hazardous material that require specialist waste measures	3	5.8 AO1a
KO	KO5 Construction sustainability principles			
Paper	3 lines			

Q5	Give three examples of safe working procedures that aim to promote and support safety conscious behaviours within a construction environment.			
	Acceptable answer(s)	Guidance	Max marks	Test Spec ref & AO
	Award marks for a suitable description that covers the following points: <ul style="list-style-type: none"> • Company management systems • Risk assessments • Method statements • Permits to work • Safety notices • CSCS cards 	Award 1 mark for each up to a maximum of 3 Accept any other answers that provides examples of safe systems	3	1.5 AO1b
KO	KO1 Health and safety			
Paper	6 lines			

Q6	You are contracted to assist in the refurbishment of a grade II listed building. State the two main cost factors that would need to be consider during the planning and design stage of the refurbishment of the Grade 2			
	Acceptable answer(s)	Guidance	Max marks	Test Spec ref & AO
	Award marks for a suitable answer that covers the following points: <ul style="list-style-type: none"> Listed buildings require specialist materials which cost more Use of specialist labour skills which cost more Paying for professional fees 	Award 1 mark for each up to a maximum of 2	2	3.1 AO1b
KO	KO3 Construction design principles			
Paper	4 lines			

Q7	Give two examples of the purpose of the Environmental Protection Act in dealing with controlled waste.			
	Acceptable answer(s)	Guidance	Max marks	Test Spec ref & AO
	Award marks for answers that give examples of the purpose of the Environmental Protection Act in dealing with controlled waste, to include: <ul style="list-style-type: none"> Waste strategy/plans/provision (1) Prevent unauthorised/illegal activities (1) 	Award 1 mark each up to a maximum of 2 Award marks for any other relevant example of the purpose of the Environmental Protection Act that relates to dealing with controlled waste	2	5.3 AO1b
KO	KO5 Sustainability principles			
Paper	6 lines			

Q8	Explain two responsibilities of a Local Authority Planning Officer once planning permission has been submitted.			
	Acceptable answer(s)	Guidance	Max marks	Test Spec ref & AO
	<p>Award marks for answers that demonstrate an understanding of the role of the Local Authority Planning Officer, to include:</p> <p>Responsibility To report to the planning committee (1)</p> <p>Explanation To advise them on the requirements of the building plans (1)</p> <p>Responsibility To collate comments for submission to planning meetings and ensure all stakeholders are informed of plans (1)</p> <p>Explanation So stakeholders/ planning committee can assess whether the proposed development is likely to be given permission (1)</p>	<p>Award 1 mark for each responsibility up to a maximum of 2 marks</p> <p>Award 1 mark for each explanation of responsibility up to a maximum of 2 marks</p> <p>Accept any suitable alternative answers that relate to the context of the question.</p> <p>Do not accept - advising the person submitting on potential outcomes</p>	4	3.3 AO1b
KO	KO3 Construction design principles			
Paper	8 lines			

Q9	Explain two benefits of using Business Information Modelling (BIM) for teams working on the same project.			
	Acceptable answer(s)	Guidance	Max marks	Test Spec ref & AO
	Award marks for answers in the form of an explanation that cover the following points: Each team receives the same (1) up-to-date information (1) in context with other work proceeding at the same time (1) encouraging teamwork/collaborative working (1) promoting efficiency in time and materials (1)	Award 1 mark for each benefit up to a maximum of 2 marks Award 1 mark for each explanation of benefit up to a maximum of 2 marks Accept alternative explanations that demonstrates a clear understanding of the benefits of BIM for teams working on the same project	4	4.7 AO1b
KO	KO4 Construction & the built environment industry			
Paper	8 lines			

Q10	Describe two methods of establishing whether a construction project requires building regulations approval.			
	Acceptable answer(s)	Guidance	Max marks	Test Spec ref & AO
	<p>Answers may include the following methods</p> <ul style="list-style-type: none"> • Checking the .gov website on building regulations approval • Checking with the Local Authority building control officer • Consulting with an independent specialist • Consulting the competent persons scheme provider 	<p>Award 1 mark for each suitable method up to a maximum of 2 marks</p> <p>Accept any other relevant method to determine whether a construction project requires building regulations approval</p>	2	7.3 AO1b
KO	KO7 Building technology principles			
Paper	4 lines			

Q11	What advantages are there in using an integrated supply chain on construction projects?			
	Acceptable answer(s)	Guidance	Max marks	Test Spec ref & AO
	<p>Award marks for answers that demonstrate understanding of an integrated supply chain on construction projects, may include:</p> <p>Reduced resource costs (1) without reducing margins (1), which encourages reduced waste (1) lower construction costs (1), better value for money for the client (1)</p>	<p>Award 1 mark for each advantage to a maximum of 4 marks</p> <p>Accept any other answers that demonstrate understanding of the advantages of using an integrated supply chain supply chain on construction projects.</p>	4	4.3 AO1b
KO	KO4 Construction & the built environment industry			
Paper	8 lines			

Q12	State one benefit of off-site construction. Give an explanation of your answer.			
	Acceptable answer(s)	Guidance	Max marks	Test Spec ref & AO
	<p>Award marks for answers that demonstrate understanding of off-site construction methods and its benefits.</p> <p>Answers to include an explanation any of the following:</p> <ul style="list-style-type: none"> ● Wastage ● Safety ● Efficiency ● Cost effective 	<p>Award 1 mark for the benefit</p> <p>Award 1 mark for the explanation of the benefit</p> <p>Award marks for any alternative benefit and suitable explanation</p>	2	7.1 AO1b
KO	KO7 Building Technology Principles			
Paper	4 lines			

Q13	<p>A small domestic dwelling is to be built on land with a good bearing capacity.</p> <p>Suggest the most suitable type of foundation that would be used for this project, giving a detailed explanation or your recommendation.</p>			
	Acceptable answer(s)	Guidance	Max marks	Test Spec ref & AO
	<p>Strip foundations (1).</p> <p>Award marks for answers that explain the reason for using a strip foundation in this context.</p> <p>Reasons:</p> <ul style="list-style-type: none"> ● Suitable for land to be built on (i.e. good bearing capacity) (1) ● Cost effective (1) ● Easy to build (1) ● Ability to withstand great loads (1) ● Very long service life (1) 	<p>Award 1 mark for the answer and up to a maximum of 5 marks for the reasons</p> <p>Accept alternative suitable reasons that are relevant to the context</p>	6	7.2 AO2
KO	KO7 Building technology principles			
Paper	8 lines			

Q14	A client has decided to build using structural insulated panels (SIPS) rather than more traditional methods of construction.			
	Explain the advantages of using this method.			
	Acceptable answer(s)	Guidance	Max marks	Test Spec ref & AO
	Accept answers that demonstrates an understanding of structural insulated panels (SIPS) The panels are prefabricated ensuring better quality control (1) are very strong (1) but lightweight compared to other methods (1) due to fewer materials used (1) are very thermally efficient (1) and allow open loft spaces (1)	Award 1 mark for each explanation up to a maximum of 4 marks Accept alternative suitable answers that are relevant to the context	4	7.1 AO2
KO	KO7 Building technology principles			
Paper	8 lines			

Q15	A ladder needs to scale a wall 8.3 m high and pass the top of the wall by a further 1 m.			
	Determine the minimum length of ladder required in order to maintain a correct ladder ratio.			
	Acceptable answer(s)	Guidance	Max marks	Test Spec ref & AO
	Correct ratio – 1 out:4 up (1) $\frac{8.3}{4} = 2.08 \text{ m out from wall}$ (2) Using Pythagoras $\sqrt{2.08^2 + 8.3^2} = 8.55 \text{ m} + 1 = 9.55 \text{ m}$ (2)	1 mark for using correct ladder ratio 1 mark for applying ratio for distance out 1 mark for calculated distance out 1 mark for application of Pythagoras 1 mark for correct distance Other methods acceptable such as trigonometry	5	1.13 AO2
KO	KO1 Health and safety			
Paper	6 lines			

Q16	<p>Work needs to be undertaken on re-pointing a chimney at a residential property.</p> <p>Explain the five steps required to produce a risk assessment for this work.</p>			
	Acceptable answer(s)	Guidance	Max marks	Test Spec ref & AO
	<p>Award marks for explanations that cover all 5 steps that are clearly linked to the context of working at height.</p> <ul style="list-style-type: none"> ● Identify all the hazards e.g. working at height (access to the scaffold, debris falling from roof, cement/lime dust being blown around below) (1) ● Determine who could be harmed e.g. the person working on the chimney, passers-by (1) ● Evaluate the risk of likelihood and ways of reducing e.g. using a scaffold rather than ladders or using a harness (1) ● Record findings on a risk assessment form (1) ● Review the assessment before and during work to ensure any further findings are taken into account such as weak structure (1) 	<p>Award 1 mark for each up to maximum of 5</p> <p>Award marks for any other suitable explanation that is relevant to the context</p>	5	1.5 AO2
KO	KO1 Health and Safety			
Paper	10 lines			

Q17	<p>Whilst managing the design project of a new build plastics factory, you are directed to oversee the estimating and buying personnel.</p> <p>Describe what key duties you would expect these members of the team to perform.</p>			
	Acceptable answer(s)	Guidance	Max marks	Test Spec ref & AO
	<p>The buyer will source all the materials needed to complete a project by obtaining quotations from suppliers for materials (1), with delivery times and quality assurance. (1)</p> <p>The estimator will break down the Bill of Quantities into unit parts (1) which represent the amount it will cost a contractor to complete each stage (1)</p>	Award marks for any other suitable description that is relevant to the context	4	4.6 AO2
KO	KO4 Construction and the built environment industry			
Paper	8 lines			

Q18	<p>A building has suspected asbestos in the walls, ceilings, and pipe insulation. The structure of the building needs to be partially demolished as part of the installation work of building services equipment, which includes the removal of the pipe insulation.</p> <p>Explain what must be considered to deal with the hazard before work proceeds.</p>			
	Acceptable answer(s)	Guidance	Max marks	Test Spec ref & AO
	<p>Award marks for answers that demonstrate understanding of the considerations of dealing with asbestos relative to the context, to include</p> <ul style="list-style-type: none"> ● Management of demolition (1) ● Extends beyond unlicensed work (1) ● Pipe lagging is licenced (1) ● Specialist contractors must be used to remove and dispose of these items (1) 	<p>Award marks for any other suitable explanations that is relevant to the context</p>	4	1.3 AO2
KO	KO1 Health and safety			
Paper	8 lines			

Section B

Q19	Analyse, using current examples, how PESTLE factors affect the residential sector			
	Indicative content	Guidance	Max marks	Test Spec ref & AO
	<p>Intention: To allow learners to evaluate factors affecting industry using the PESTLE factors.</p> <p>Indicative content</p> <ul style="list-style-type: none"> Political - how government policy impacts organisations such as BREXIT having an impact on migrant workers which in turn affects future wage demands and costs. Labour shortages can mean project times are extended. Environmental - emissions targets, such as reductions in fossil fuelled vehicle production will lead to the need for more Electric Vehicle charging points in all residential properties, this in turn impacts building design allowing for off street parking or communal charging locations being allowed for. Social - ageing population or more single people needing housing changes the way buildings are designed. More people working from home following COVID-19 means allowances may be required for dwellings to incorporate study areas. Technology - Advances in building methods affect building products and materials which in turn affects labour needs and costs of materials. Other technologies could include advances in broadband or 	<p>For no awardable content, award 0 marks.</p> <p>Accept current examples of PESTLE factors as some factors can change quickly in a constantly changing political and social landscape (COVID-19).</p> <p>No more than 1 mark if factors are simply listed with no knowledge of factor or application provided.</p> <p><u>Band 1 1- 3 marks</u></p> <p>Demonstrates a basic use of analysis of some of the PESTLE factors</p> <p>Demonstrates basic application of knowledge and understanding and limited links made between how the PESTLE factors affect the residential sector</p> <p><u>Band 2 4- 6 marks</u></p> <p>Demonstrates a good use of analysis of all of the PESTLE factors</p> <p>Demonstrates a good use of application of</p>	<p>9</p>	<p>4.8</p> <p>5.1</p> <p>AO2 3</p> <p>AO3a 6</p>

	<p>methods of delivering broadband such as satellite reception rather than traditional cable links.</p> <ul style="list-style-type: none"> ● Legal - Changes in Regulations could impact on building design and needs. Planning legislation could increase or decrease need if laws are passed for land protection or land release. Changes in building regulations such as energy efficiency impact on design such as insulation requirements or use of alternative fuels. ● Economic - government spending is a major factor which affects the scale of growth in housing or economic climates impact on demand for housing. In an affluent economic society, housing demand increases which in turn affects prices paid. Alternatively, economic downturns increase the need for more affordable housing. 	<p>knowledge and understanding in relation to the PESTLE factors and how they affect the residential sector</p> <p><u>Band 3 7-9 marks</u></p> <p>Demonstrates a comprehensive use of analysis of all of the PESTLE factors</p> <p>Demonstrates comprehensive use of application of knowledge and understanding in relation the PESTLE factors and how they affect the residential sector</p>		
KO	<p>KO4 Construction & the built environment industry</p> <p>KO5 Sustainability principles</p>			
Paper	<p>1 page</p>			

<p>Q20</p>	<p>A client wants a two-story extension constructed on the back of an office. The site has very easy access for materials and machinery. The main constraint is that the time allowed for the construction work on site, from commencement to handover, is extremely limited.</p> <p>Discuss the construction method most suitable for this time constraint.</p>		
	<p>Indicative content</p>	<p>Guidance</p>	<p>Max marks</p> <p>Test Spec ref & AO</p>
	<p>As the amount of time allowed on site is extremely limited, a modular or pre-manufactured superstructure is the best option. This is where the main structure of the building is constructed elsewhere or off-site and then broken down into sections, moved to site then assembled or put together in a much shorter time. As the site has easy access, the items can easily be delivered and lifting equipment can place it in correct position for quick assembly.</p> <p>This system requires long planning times for construction. Co-ordination between superstructure size and sub-structure installation and dimensions is very important to minimise problems.</p> <p>Discussion can also be negative such as reasons for not using traditional methods of construction due to the time taken on site to set out, build, and cure.</p> <p>It is important for the discussion to note the risks such as the super structure and sub-structure being built in different places, so communication is key to ensure correct dimensions.</p>	<p><i>For no awardable content, award 0 marks.</i></p> <p><u>Band 1 1-3 marks</u></p> <p>Demonstrates a basic use of analysis of the different types of construction methods</p> <p>Demonstrates basic application of knowledge and understanding of the use of different construction methods relevant to the time constraints</p> <p>Demonstrates basic evaluative skills with limited reasoning to which method would be most suitable</p> <p><u>Band 2 4-6 marks</u></p> <p>Demonstrates a good use of analysis of the different types of construction methods</p> <p>Demonstrate good application of knowledge and understanding of the use of different construction methods relevant to the time constraints</p> <p>Demonstrates good evaluative skills with clear reasoning to which method would be most suitable</p>	<p>9</p> <p>7.1</p> <p>AO2 3</p> <p>AO3a 3</p> <p>AO3b 3</p>

		<p><u>Band 3 7-9 marks</u></p> <p>Demonstrates a thorough use of analysis and of the different types of construction methods</p> <p>Demonstrate a thorough application of knowledge and understanding of the use of different construction methods relevant to the time constraints</p> <p>Demonstrates thorough evaluative skills with thorough reasoning and justifications to which method would be most suitable</p>		
KO	KO7 Building technology systems			
Paper	1 page			

<p>Q21</p>	<p>A client wants to plan and develop sustainable offices for small business enterprises on a brownfield site surrounded by a mixture of residential and commercial properties.</p> <p>Discuss the environmental performance measures that need to be considered during the design stage of this project to support the planning application to the local authority.</p>			
<p>Acceptable answer(s)</p>	<p>Guidance</p>	<p>Max marks</p>	<p>Test Spec ref & AO</p>	
<p>Intention: <i>To allow learners to evaluate a retail/commercial development in terms of the environmental factors that are faced by in order to develop a sustainable project.</i></p> <p>Indicative content:</p> <p>Performance measures include, as examples</p> <ul style="list-style-type: none"> ● Materials: these should be sympathetic with other buildings in the surrounding location and preferably locally sourced ● Energy Sources and consumption: measures should be taken to reduce energy consumption with careful selection of fuel sources so the development will not have a negative impact on the supplies to surrounding properties ● Water sources/consumption: Consideration should be given to water recycling and conservation such as rainwater harvesting or greywater recycling to reduce mains water consumption ● Transport: Links to public transport to reduce parking conflicts and vehicle use. Provision of electric charging points to promote electric vehicles, provision of secure cycle storage to promote cycling ● Ecology: landscape and planting to soften development and promote eco systems ● Pollution: restrictions on the type of businesses allowed to use development to reduce pollution such as noise, smell. Designs to reduce 	<p><i>For no awardable content, award 0 marks.</i></p> <p><u>Band 1 1-3 marks</u></p> <p>Demonstrates a basic use of analysis of a basic range of performance measures</p> <p>Demonstrates basic application of knowledge and understanding of environmental factors to develop sustainable projects</p> <p>Demonstrates basic use of evaluative skills linking the environmental performance measures to develop sustainable projects</p> <p><u>Band 2 4-6 marks</u></p> <p>Demonstrates a good use of analysis of a good range of performance measures</p> <p>Demonstrates a good use of and application of knowledge and understanding of environmental factors to develop sustainable projects</p> <p>Demonstrates a good use of evaluative skills linking</p>	<p>12</p>	<p>3.1 5.1 5.2 5.5 5.7</p> <p>AO2 6 AO3a 3 AO3b 3</p>	

	<p>light pollution and as well as visual impact.</p> <ul style="list-style-type: none"> • Other environmental considerations acceptable with justification including emissions, product use etc. 	<p>the environmental performance measures to develop sustainable projects</p> <p><u>Band 3 7-9 marks</u></p> <p>Demonstrates thorough use of analysis of a comprehensive range of performance measures</p> <p>Demonstrates thorough use of application of knowledge and understanding of environmental factors to develop sustainable projects</p> <p>Demonstrates thorough use of evaluative skills linking the environmental performance measures to develop sustainable projects</p> <p><u>Band 4 10-12 marks</u></p> <p>Demonstrates comprehensive use of analysis of a comprehensive range of performance measures</p> <p>Demonstrates comprehensive use of application of knowledge and understanding of environmental factors to develop sustainable projects</p> <p>Demonstrates comprehensive use of evaluative skills linking the environmental performance measures to</p>		
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		develop sustainable projects,		
KO	KO3 Construction design principles KO5 Sustainability principles			
Paper	2 pages			

SAMPLE

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