



WJEC Level 3
Applied Diploma in
Professional Construction Practice

SAMPLE EXTERNAL ASSESSMENT

For teaching from:
2017 Wales
2018 England

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Candidate Name	Centre Number	Candidate Number



**LEVEL 3 APPLIED DIPLOMA IN
PROFESSIONAL CONSTRUCTION PRACTICE**

UNIT 2

CREATE THE BUILT ENVIRONMENT

AM/PM [date]

2 hours

For Examiner's use only		
Question	Maximum Mark	Mark Awarded
1.	8	
2.	16	
3.	16	
4.	16	
5.	12	
6.	12	
Total	80	

Instructions to candidates

Answer **all** questions.

Write your answers in the spaces provided in this booklet.

Use black ink or black ball-point pen. Do not use pencil or gel pen. Do not use correction fluid.

Information for candidates

The total for the paper is 80 marks.

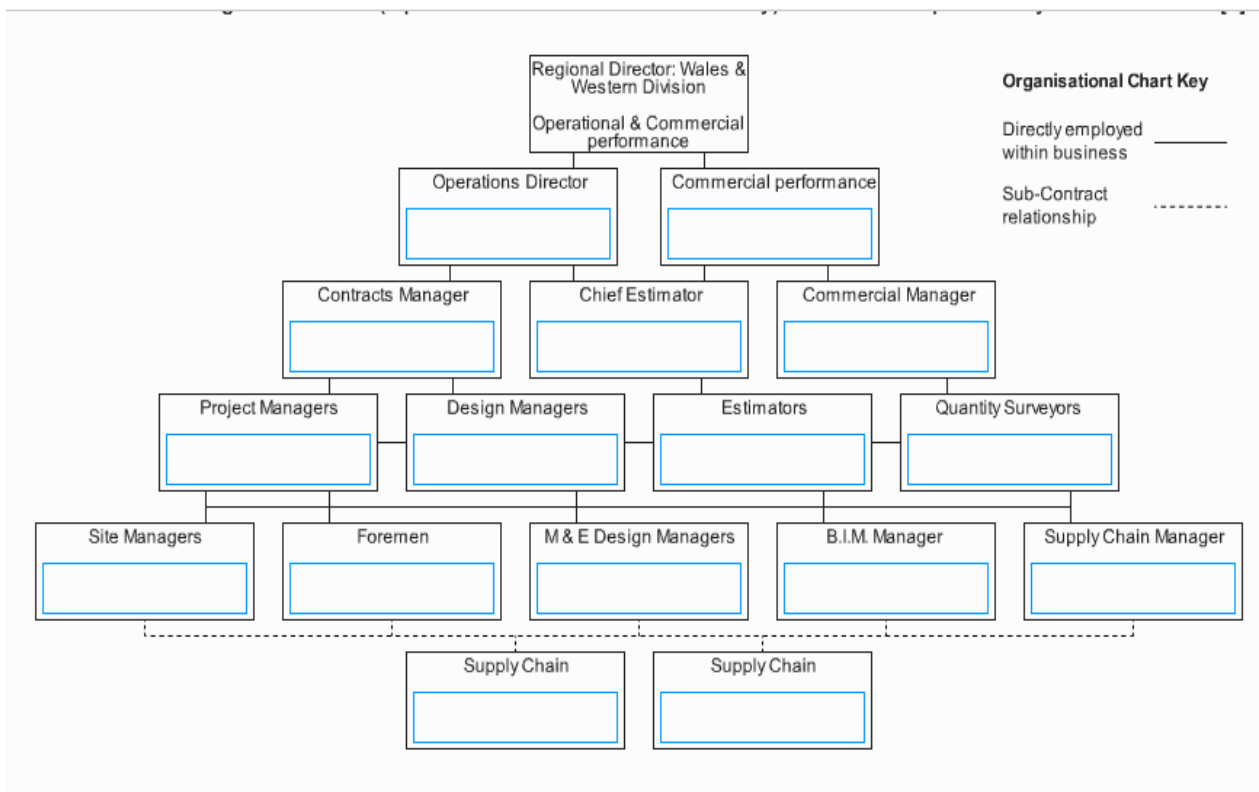
The number of marks is given in brackets at the end of each question or part question.
Calculators may be used.

Answer all questions.

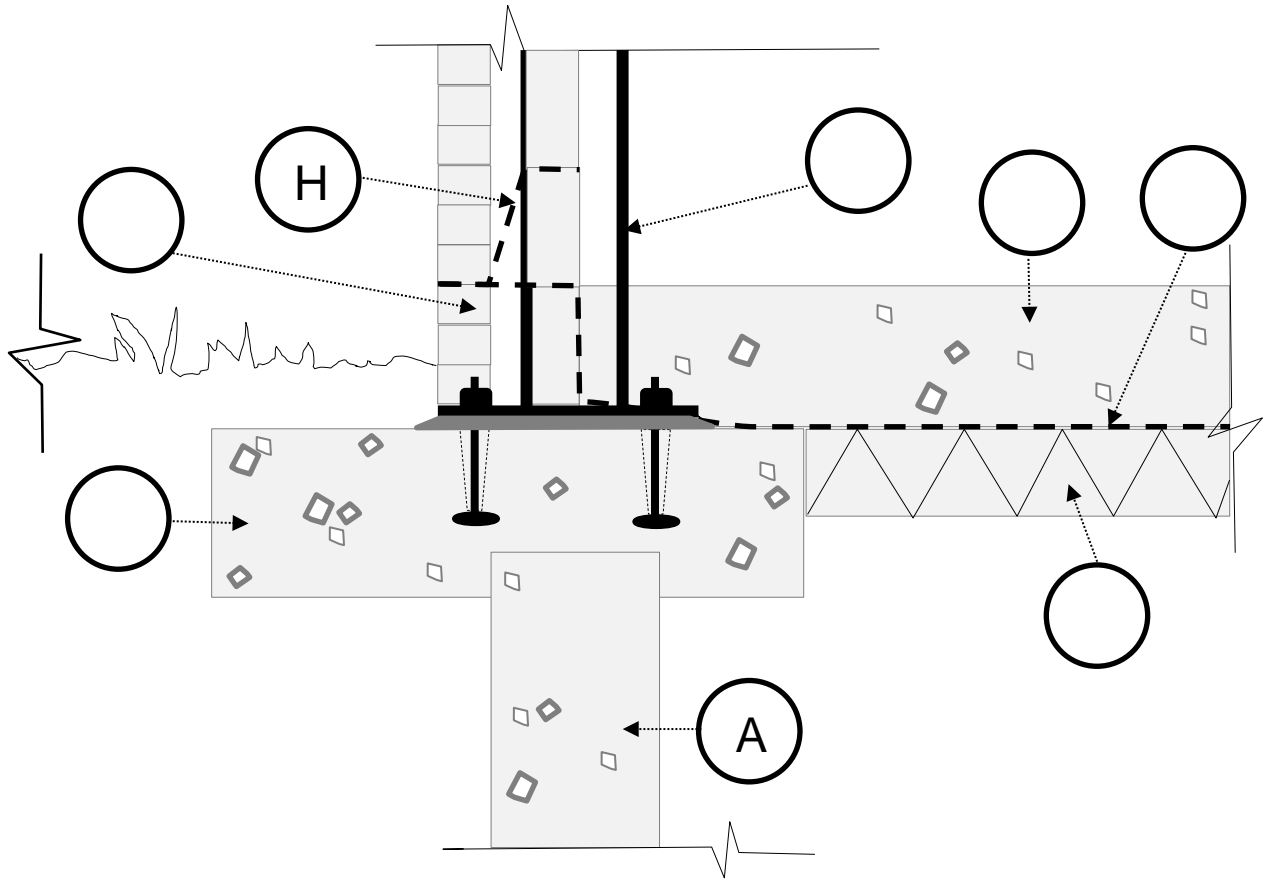
- Margaret Davies has been appointed as the Regional Operations Manager for an established traditional design and build company with an annual turnover of £25m. Margaret has been asked to produce a typical organisational chart by the CITB as part of a training grant application.

Complete the outline organisational chart ensuring that you insert the roles of key operational, commercial, support and estimating staff. Your answer should include **two** primary sub-contractors.

The role of Regional Director (Operational and Commercial Delivery) has been completed for you. [8]



2. Referring to the standard detail for a steel portal framed building designed for 'light industrial' use. Use the section below, identify the following elements A to H ensuring that they are placed in their correct sequence of actual construction. The first activity should appear at the top of the table. [16]



Element ref A-H	Description of element
A	
B	
C	
D	
E	
F	
G	
H	Flexible Cavity Tray

4. Said Jamal is a Regional Director for ISG Construction and has been asked by a client to present a table describing **four** primary advantages and disadvantages associated with 'off-site' construction. Use the table to help Said with this task.

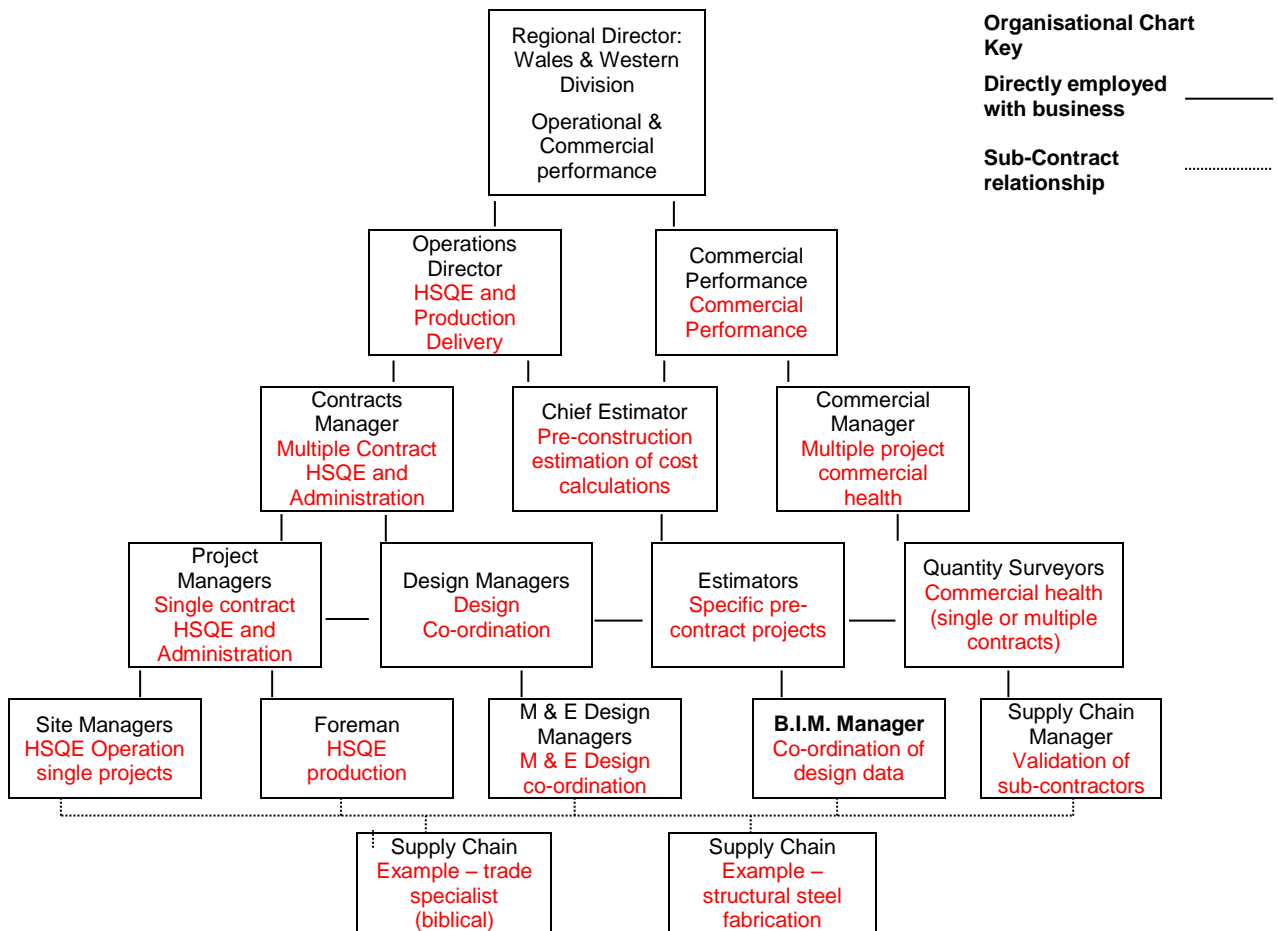
[16]

Advantages of Off-Site Construction	Disadvantages with Off-Site Construction
a.	
b.	
c.	
d.	

LEVEL 3 – UNIT 2

MARK SCHEME – SUMMER 2019

Question	Answer	Mark
1.	Award one mark for each two correct responses to a maximum of 8 marks.	8
	Total for Question 1	8



Question	Answer	Mark
2.	<p>Award one mark for each element correctly sequenced and one mark for the correct description of each element.</p> <p>Element Reference A – H</p> <p>A – Concrete Pile</p> <p>B – Ground Beam</p> <p>C – Sub Base</p> <p>D – Steel Frame or Portal Frame</p> <p>E – Cavity Wall/Brickwork Wall</p> <p>F – Damp proof membrane</p> <p>G – Floor Slab</p> <p>H – Flexible Cavity Tray</p>	16
	Total for Question 2	16

Question	Answer	Mark
3. (a)	<p>1 - 3 marks: The candidate has prepared information for a tool box talk which includes some relevant content from the indicative content lists. There are significant gaps evident with omissions and possible errors present.</p> <p>4 - 6 marks: The candidate has prepared information for a tool box talk which includes significant elements of content from the indicative content lists. There are some omissions evident, but there is a clear and realised attempt to provide appropriate content, details and facts.</p> <p>7 - 8 marks: The candidate has prepared a set of content, details and facts which may facilitate a comprehensive tool box talk. Key items from each list of indicative content are present.</p> <p>Indicative Content</p> <p>Before Working</p> <ol style="list-style-type: none"> 1. Before any work or access onto a roof, fragile materials should be identified and precautions decided. 2. Roof-edge barriers (or scaffolds) must be erected to prevent people and materials falling. 3. Access ladders must extend at least 1 metre above the stepping-off point and must be secured. 4. Where access ladders rise above 9 metres, a safe intermediate platform must be provided. 5. Ladders must be rested at the correct angle (1 unit out for 4 units in height). <p>Hazards when working at height</p> <ol style="list-style-type: none"> 1. You must now be protected from falling when working at any height (2m rule has been removed), ensure guard-rails and toe-boards are properly erected. 2. Hazards resulting from adverse weather conditions must be anticipated and suitable precautions taken. 3. LPG cylinders should be located at least 4 metres away from heat source. Spare bottles to be kept to a minimum. 4. Don't allow rubbish to accumulate as this is liable to cause accidents. Use a chute or lower materials properly. 5. Wet, windy or icy weather can seriously affect safety. <p>Safe working on roofs</p> <ol style="list-style-type: none"> 1. Only competent operatives must be used for roofing works. 2. Crawling boards or ladders must be provided and used where the roof is liable to collapse under a person's weight or the roof is sloping with a pitch over 10 degrees. 3. Where work is of short duration and the provision of guard-rails and toe-boards is impracticable, safety harnesses must be used with suitable anchorage points provided. 4. If using bitumen boilers, they require a drip tray. 5. Openings must be covered or guarded; if removed for the passage of workers or materials, replace immediately. 	8

Question	Answer	Mark
(b)	<p>1 - 3 marks: The candidate has discussed the omissions and deficiencies made by those responsible for 'temporary works'. Some relevant content from the indicative content list has been included but there are significant gaps evident with omissions and possibly some errors.</p> <p>4 - 6 marks: The candidate has discussed the omissions and deficiencies made by those responsible for 'temporary works' and included many significant elements of the content from the indicative content list. Some omissions are evident.</p> <p>7 - 8 marks: The candidate has provided a comprehensive discussion on the omissions and deficiencies made by those responsible for 'temporary works' which considers the key elements of content as listed in the indicative content list.</p> <p>Indicative Content List of omissions and deficiencies:</p> <p>Competence - Provision of competent designers, checkers and installers. Inspection - thorough and regular inspections. Design - provision of a relevant, compliant and meaningful design solution Weather - conclusions on impact of wind blow rain and snow loadings. Overloading - conclusions on actual maximum loadings and type of loading, i.e. point loads.</p> <p>Omissions and deficiencies specifically associated with: Implementation Foundations Vehicle Strikes Vandalism Testing, i.e. 'pull out' test Alterations Components Sequencing of work</p>	8
	Total for Question 3	16

Question	Answer	Mark
4.	<p>Advantages of Off-Site Construction 2 marks for each advantage described (1 mark for identification only). The following list is not exhaustive.</p> <ul style="list-style-type: none"> • Reduced 'on site' programme duration • Reduced 'on site' congestion of activities • Higher quality of construction components • Improved safety & security • Fewer, 'smaller' high frequency deliveries of materials • Reduced noise, dust and vibration to local environment • Efficiency & Predictability • Reduced labour levels required on site • Greater sustainability <p>Disadvantages with Off-Site Construction 2 marks for each disadvantage described (1 mark for identification only). The following list is not exhaustive.</p> <ul style="list-style-type: none"> • Less flexibility of larger components • Increased procurement 'lead' times • Increased design periods often required due to approval of 'terms & conditions' • Increased transportation costs and limitations of size & weight of deliveries (particularly when there is restricted access) • Increased lifting costs and lifting 'room'/'lay-down' area • Less transparency of actual manufacturing costs • Increased design fees • Protracted design responsibility issues/governance in the event of a defect or component failure • Reduced future flexibility to 'change of use' of internal spaces and the need to extend the building • Fewer 'off site' specialists can increase monopolies and or cause shortages of products due to manufacturing capacity thresholds 	<p>8</p> <p>8</p>
	Total for Question 4	16

Question	Answer	Mark
5.	<p>Indicative Content – award up to x 2 marks for each event with reasoning:</p> <ul style="list-style-type: none"> • Write to each household or business affected by the development and give them details of the construction phase measures that will be put in place to mitigate negative or untimely events. This will help reduce the fear and doubt that the community may have in relation to the development. • Register the project the considerate constructor scheme. The CCS will help give advice to developers and builders in regard to safer and considerate working practices. • Arrange an open evening prior to the construction phase and a local and accessible venue. This will allow you to interact and consult the local residents and allow you to understand their points in depth. • Meet the local residents on a ‘door to door’ basis. This will allow you the chance to meet residents and demonstrate that you are responsible and approachable. • Sponsor a local event. The sponsorship of a local event or club activities demonstrates that you are an active member of the wider community who participates in meaningful local events. • Hold community ‘open-days’ on site during the construction phase. This will allow the community access to the project and allow you to demonstrate your considerate approach to their concerns and show them the measures you have taken to mitigate conflict, i.e. sound rated boarding, dust control measures, wheel-washing etc. • Establish a stakeholder group. This will allow the community to regularly comment on the development prior to and during the construction phase. • Invite the stakeholders to an opening event. This will give you the opportunity to showcase the development and mitigate concerns over the operation or day to day function of the access routes. • Any other event deemed acceptable. 	12
	Total for Question 5	12

Question	Answer	Mark																		
6.	<p>1 - 4 marks: The candidate has demonstrated a limited understanding of the nature and process of site quality inspections and identified content and features for the proposed App. Some relevant content from the indicative content list has been included but there are omissions and possible errors present. Some technical terminology may be present with errors in grammar, punctuation and spelling.</p> <p>5 - 8 marks: The candidate has demonstrated an understanding of the nature and process of site quality inspections and identified appropriate content and features for the proposed App. Relevant content from the indicative content list has been included with potential innovative features noted. Technical terminology is used within the candidate response with a limited number of errors present in grammar, punctuation and spelling.</p> <p>9 - 12 marks: The candidate has demonstrated a comprehensive understanding of the nature and process of site quality inspections and identified appropriate content and features for the proposed App. A significant amount of content from the indicative content list has been included and realistic potential innovative features noted. Technical terminology is used fluently throughout the candidate response and grammar, punctuation and spelling are generally error free.</p> <p>Indicative Content</p> <table border="1" data-bbox="384 1149 1297 1839"> <thead> <tr> <th data-bbox="384 1149 842 1182">Content</th> <th data-bbox="845 1149 1297 1182">Features</th> </tr> </thead> <tbody> <tr> <td data-bbox="384 1184 842 1285">Location of snag</td> <td data-bbox="845 1184 1297 1285">Interactive mark-up facility on pdf drawing of floor plan or elevation</td> </tr> <tr> <td data-bbox="384 1288 842 1355">Date of Inspection</td> <td data-bbox="845 1288 1297 1355">Capability to insert an image of the defect</td> </tr> <tr> <td data-bbox="384 1357 842 1424">Type of inspection</td> <td data-bbox="845 1357 1297 1424">Provision of a simple interactive menu</td> </tr> <tr> <td data-bbox="384 1426 842 1460">Relevant trade or Owner</td> <td data-bbox="845 1426 1297 1460">Provision of colour format</td> </tr> <tr> <td data-bbox="384 1462 842 1563">Follow- on Trade or activity that the snag may impact on.</td> <td data-bbox="845 1462 1297 1563">The app should have to capability to be used in multiple formats i.e. Microsoft/Apple</td> </tr> <tr> <td data-bbox="384 1565 842 1666">Sign-Off</td> <td data-bbox="845 1565 1297 1666">Provision of audio messaging to allow snags have an airborne/impact nature</td> </tr> <tr> <td data-bbox="384 1668 842 1736">Progress of de-snag</td> <td data-bbox="845 1668 1297 1736">Provision of speedy issue via email</td> </tr> <tr> <td data-bbox="384 1738 842 1839">Expected 'close-out' date of defect</td> <td data-bbox="845 1738 1297 1839">Provision of BIM compatibility and links to other area of the management system</td> </tr> </tbody> </table>	Content	Features	Location of snag	Interactive mark-up facility on pdf drawing of floor plan or elevation	Date of Inspection	Capability to insert an image of the defect	Type of inspection	Provision of a simple interactive menu	Relevant trade or Owner	Provision of colour format	Follow- on Trade or activity that the snag may impact on.	The app should have to capability to be used in multiple formats i.e. Microsoft/Apple	Sign-Off	Provision of audio messaging to allow snags have an airborne/impact nature	Progress of de-snag	Provision of speedy issue via email	Expected 'close-out' date of defect	Provision of BIM compatibility and links to other area of the management system	12
Content	Features																			
Location of snag	Interactive mark-up facility on pdf drawing of floor plan or elevation																			
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Progress of de-snag	Provision of speedy issue via email																			
Expected 'close-out' date of defect	Provision of BIM compatibility and links to other area of the management system																			
	Total for Question 6	12																		

Assessment Criteria Grid

Question Number	LO1	LO2		LO3			LO4	LO5			LO6	Total
	AC 1.1	AC 2.1	AC 2.2	AC 3.1	AC 3.2	AC 3.3	AC 4.1	AC 5.1	AC 5.2	AC 5.3	AC 6.1	
1	8											8
2		16										16
3(a)								8				8
3(b)										8		8
4											16	16
5					12							12
6							12					12
TOTAL LO	8	16		12			12	16			16	80

Candidate Name	Centre Number	Candidate Number



**LEVEL 3 APPLIED DIPLOMA IN
PROFESSIONAL CONSTRUCTION PRACTICE**

UNIT 3

Value & Use the built environment

Paper version of on-screen assessment

AM/PM [date]

2 hours

For Examiner's use only		
Question	Maximum Mark	Mark Awarded
Section A	20	
Section B	20	
Section C	20	
Section D1	10	
Section D2	10	
Total	80	

Instructions to candidates

You are required to answer **all** questions in all sections.
There are 80 marks available in this examination.

Write your answers in the spaces provided in this booklet or as guided by the question

DGC is a multinational construction company with significant presence in the UK, characterised by a series of Regional Offices. It is currently running many construction projects and is considering potential future projects.

As a valued member of the DGC operational team you have been assigned five tasks by your Regional Director that are 'business critical'. These five 'active' tasks will assist DGC Construction in remaining prominent within the local construction community for the next two years and ensure valuable turnover is achieved. Your role as Assistant Contracts Manager ensures that you have a diverse portfolio of tasks that you should complete in readiness for your Operational Managers input, subsequent development and ultimately approval.

You will need to consider each of the active tasks and prepare your responses accordingly. You are advised to read each active task before commencing your responses.

The tasks are classified A, B, C, D1 and D2. They are presented in section A, B, C, D1 and D2.

Section A

Your client has appointed you as the Main Contractor to construct 100 residential units on a brownfield site located on the last remaining site within a busy suburb of Cardiff. The site is surrounded by both new and period properties that date from 2016 to the late 19th century. Although the site is deemed as 'brownfield' the diverse and approachable community have used the site for shortcuts to the community centre, dog walking, cycling and playing ball games.

Some of the local community objected to the developed at the planning stage as they had concerns about the fact that construction traffic might pose a risk to the residents and that site surface water may create a health hazard and their cars be damaged by mud, dust and stone chips. Residents are also concerned about being woken early in the morning by site generated noise.

The only features of the development site that are to remain are four ancient oak trees which are protected by a tree preservation order and subject to a planning condition. During the early and latter stages of the construction phase the adjacent streets of Palace Avenue & Palace Row will experience loss to their water supply for 30 minutes.

You have several months until you start the construction phase and your client highly values their reputation of having excellent community relations.



Palace Avenue will form the access to the site.



The proposed development

Active task A

Identify **five** stakeholder groups which could be impacted upon by the construction phase and describe proactive measures which could be taken to promote positive outcomes for your client and your own organisation. Your approach should consider the project lifecycle as:

- Pre-construction Phase
- Construction Phase
- Post Construction Phase

Your Managing Director has given you a generous budget and resources to make the consultation process a success. Your response should be presented in the table provided to help the reader quickly identify the meaning, relevance and value of your proposals.

20 marks

Stake holder group	Pre-construction phase	Construction phase	Post-construction phase

Section B

The stock located on 'Green Bay Estate' have not been modernised since their construction in 1977. The structures are extremely well built from high quality masonry with traditional 'cut timber' roofs. Unfortunately, they are not insulated but are located next to a fast-flowing river which the Housing Association (HA) have water extraction rights for and a license to utilise for 'green' purposes. All units are south facing and have extraordinary large gardens and there are large open spaces between all units. The resident's association is made up of a broad range of residents many of whom are keen to save money on their monthly energy bills.

The HA have a government match funded grant to help upgrade the stock and want to use the project as an exemplar scheme which will feature on a BBC documentary. The HA wish to utilise all suitable ways to reduce energy consumption and generate green energy.

Active task B

Identify **four** potential design solutions the Housing Association could use in order to reduce the energy consumption of the portfolio of building stock on Green Bay Estate. You are required to describe the measure (the nature of the design solution) and evaluate the consequences of each potential design solution.

Note: This work will form the basis of a further presentation that your organisation will use to influence the HA to award this highly lucrative contract to. Your Commercial Director and Regional Design Manager want you to approach this tender as dynamically as possible. Present your suggestions in a simple table format using the template supplied.

20 marks

Potential design solution	Measure(s)	Consequences

Section C

Brightwater Developers have employed you to produce a broad and positive strategy that can be privately discussed with a local co-operative group of investors and planners that wish to ensure that a former mining town in Yorkshire does not degenerate further and its population leave completely and jeopardise even more local communities and their services.

'Red Kite Vale' is a former mining community dating from the late 17th Century and located in a beautiful valley surrounded by woodland, rivers and moors. It has the potential to be an ideal outdoor adventure area and cultural / industrial heritage museum. The local sloping terrain also has the potential to be developed into artificial ski centre and cable car system. There are local legends in relation to Vikings, King Arthur and the former endangered red kite bird of prey species has established a thriving population due to the local abundant wildlife.

The existing community of some 150 people many of who consist of young families occupy a town that previously had 500 members. If the development was to happen then new some new housing, schools, community hospital and roads could be constructed. There are adequate numbers of potential visitors if ten miles 'A' road is extended by the Government. Adequate regeneration grants are available to achieve this. The community needs help to survive then thrive.



Red Kite Vale looking eastwards



Red Kite Vale looking southwards



Red Kite Vale looking westward

Active task C

Produce a document illustrating how the regeneration of a rural community could benefit the local community and regional economy. Your vision of the regeneration should clearly note what should happen on a year by year basis for the next twenty years.

Note: Your document should form part of a compelling and meaningful feasibility strategy that appeals to the broad cross section of stakeholders (businesses, government departments, people and organisations).

It should depict who could potentially help fund, support and sustain the redevelopment scheme and where possible identify the sustainability and growth features over the 20-year period. The illustration should be simple to read and flow consistently in a format of your choice.

Consider that without your drive and motivation in promoting this venture the area could stagnate and remain undeveloped which could lead to further unemployment, lack of local prospects and waste the existing building stock and infrastructure that exists.

20 marks

Section D1

Active task D1

Your colleague Emma, DCG’s Framework Manager has asked for your help in drafting a presentation for a local technical college entitled ‘Working Together for Handover’. Emma wants the students to have a grasp of ‘key words’ that the Construction Professional might use.

Provide a description of the following;

1. Soft Landing Champion
2. Early Engagement
3. Post Occupancy Evaluation (POE)
4. Commissioning of Building Services
5. Handover

10 Marks

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Section D2

Active task D2

You have been asked to address new staff regarding DGC's Key Performance Indicators. This will form a part of their induction process.

Provide an explanation of the KPI's listed below and outline how each can help deliver a successful project through its lifecycle.

1. Number of accidents, incidents and near misses
2. Achieving project 'mile stone' dates
3. Number of locally employed construction operatives
4. Number of Apprentices employed during the construction phase
5. Maximum number of defects per metre squared of development

10 Marks

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LEVEL 3 – UNIT 3

MARK SCHEME – SUMMER 2019

Task	Answer	Mark
A	1 mark for each correctly identified stakeholder group (max 5) 1 mark for each correctly described measure linked to the identified stakeholder groups (one mark for each) See Task A Stakeholder and Measures sheet for acceptable responses	5 15
	Total marks for task A	20

Task A Stakeholder and Measures sheet

Stakeholder Group	Pre-construction Phase	Construction Phase	Post Construction Phase
<ul style="list-style-type: none"> ✓ Local Authority (LA) Stakeholders 	<ul style="list-style-type: none"> ✓ Discharge pre-construction planning conditions. 	<ul style="list-style-type: none"> ✓ Discharge construction phase planning conditions (i.e. tree protection) 	<ul style="list-style-type: none"> ✓ Ensure that all planning conditions are formally signed off by the LA.
<ul style="list-style-type: none"> ✓ Environmental Regulatory Organisations (i.e. Environment Agency). 	<ul style="list-style-type: none"> ✓ Agree method of handling site contamination. 	<ul style="list-style-type: none"> ✓ Record evidence of compliance to method/site controls. ✓ Complete site waste management plans. 	<ul style="list-style-type: none"> ✓ Record what measures have been taken in the H&S file. ✓ Record all certification of imported materials i.e. topsoil in the H&S file.
<ul style="list-style-type: none"> ✓ Local Residents 	<ul style="list-style-type: none"> ✓ Arrange Public meetings. ✓ Letter drops. ✓ Register with CCS. ✓ Identify potential risks to project. 	<ul style="list-style-type: none"> ✓ Issue project newsletters ✓ Hold regular meetings ✓ Offer site tours ✓ Delivery what you promised (working hours, road sweeping, dust control measures) ✓ Attempt to mitigate eliminate loss of water to local area. ✓ Arrange car washing. ✓ Arrange window cleaning. ✓ Arrange road sweeping. 	<ul style="list-style-type: none"> ✓ Conduct follow up meetings and workshops. ✓ Publicise any successful engagements.
<ul style="list-style-type: none"> ✓ Client 	<ul style="list-style-type: none"> ✓ Regular meetings at updates on progress. ✓ Agree KPI's 	<ul style="list-style-type: none"> ✓ Regular meetings at updates on progress. ✓ Soft Landings Process. ✓ Check KPI's & monitor. ✓ Improve KPI's. 	<ul style="list-style-type: none"> ✓ Soft landing Process. ✓ Attend to 12moths defects responsibilities promptly. ✓ Share lessons learnt with stakeholders.

			✓ Utilise knowledge gained and learn from your experiences.
✓ Community Groups	✓ Hold meetings	✓ Engage regularly. ✓ Sponsorship of a local group.	
Other appropriate stakeholder groups are: <ul style="list-style-type: none"> • Local Schools • Dog Walkers • Commuters • Local Businesses • Project Design Team • Project Delivery Team 			

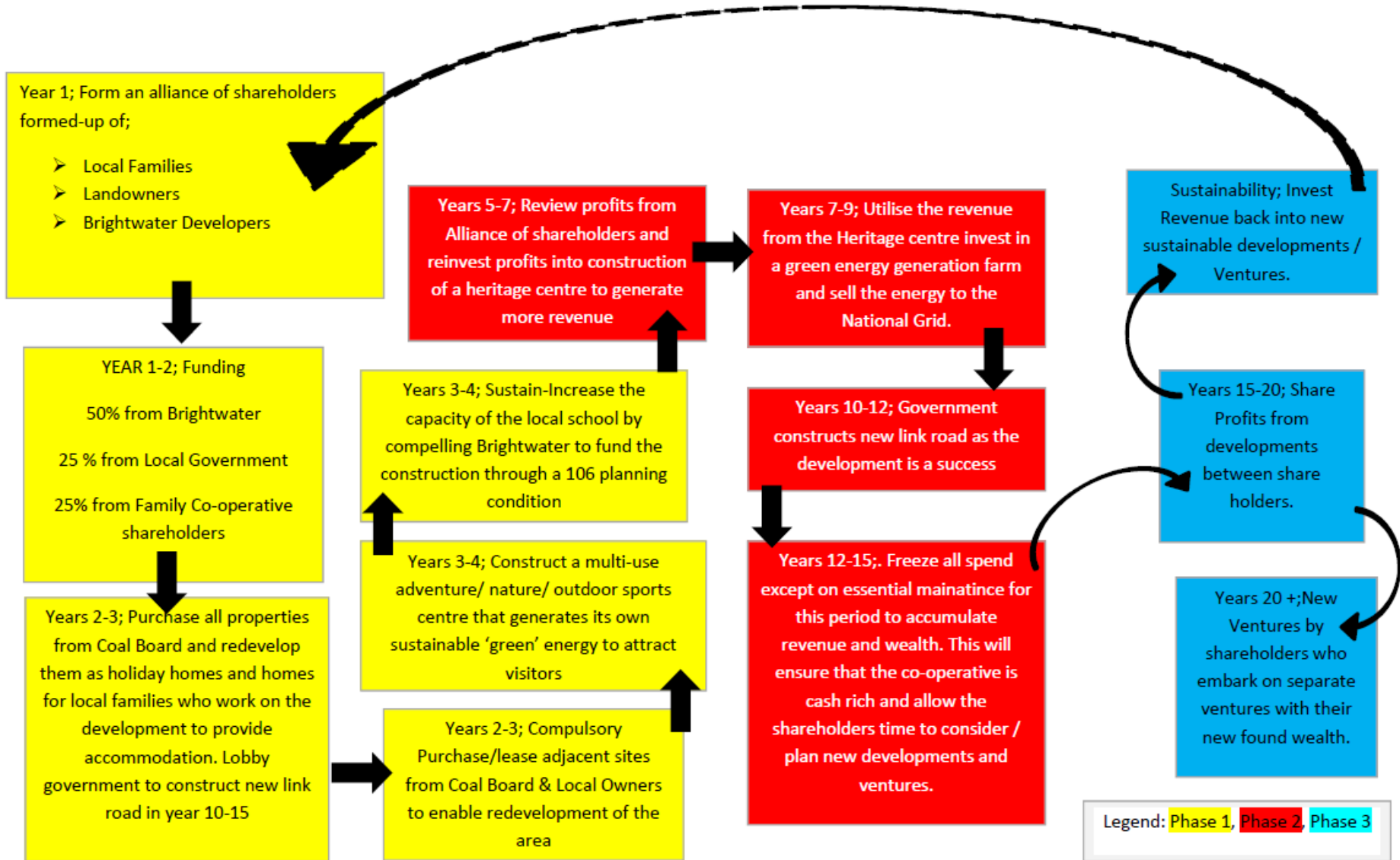
Task	Answer	Mark
B	1 mark for each appropriately identified potential design solution (max 4) 2 marks for each correctly described measure linked to the identified potential design solution 2 marks for each evaluated consequence linked to the identified potential design solution and measure See Task B Potential Design Solution sheet for acceptable responses	4 8 8
	Total marks for task B	20

Task B Potential Design Solution sheet

Potential Design Solution	Measure proposed	Consequence
✓ Insulate	✓ Install 300mm of mineral wool to roof spaces	✓ Reduction of heat loss and reduced energy consumption
✓ Reduce cold air entering building	✓ Identify draughts to houses by using thermal imaging cameras and replace doors and seals to prevent ingress.	✓ Reduction of heat loss and reduction of cold air entering the house which will result in reduced energy consumption.
✓ Upgrade fenestration	✓ Replace existing windows with new triple glazed composite windows.	✓ Reduction in heat loss and solar heat gain which will reduce energy consumption in winter and solar heat gain in summer.
✓ Generate Electricity	✓ Install photovoltaic cells on the roofs of all home.	<ul style="list-style-type: none"> ✓ The energy generated could then be sold back to the nation grid. ✓ The energy created could then be stored in a house battery (tessellar type).
✓ Generate Electricity	✓ Install a hydro electrical water generation device to the river.	✓ The energy generated could then be sold back to grid and the proceeds reinvested in more renewable technologies by the client.
✓ Insulate	✓ The cavity walls could be filled with eco-friendly non CFC insulation foam.	✓ Reduction of heat loss will result in reduced energy consumption.
✓ Generate Electricity	✓ Install a domestic wind turbine to each house.	<ul style="list-style-type: none"> ✓ The energy generated could then be sold back to the nation grid. ✓ The energy created could then be stored in a house battery (tessellar type).

Task	Answer		Mark	
C	No response worthy of credit	0	20	
	Candidates demonstrate a basic understanding of what is required for a broad strategy / concept for regeneration. The document has a simplistic timeline with limited stakeholder identification. There is little consideration of how funding and sustainability will occur. Some consideration is given to protecting the built environment.	1 - 5		
	Candidates demonstrate a reasonable understanding of what is required for a broad strategy / concept for regeneration. The document shows a considered and realistic timeline. Funding and sustainability are considered with an indication of who the associated stakeholders will be.	6 - 10		
	Candidates demonstrate a good understanding of what is required for a broad strategy / concept for regeneration. The document incorporates a realistic timeline which provides multiple stages. The stages feature specified stakeholder involvement with an indication of their input regarding funding and sustainability. The document considers ways of protecting the built environment, the micro economy and impact on the community.	11 - 15		
	Candidates demonstrate a comprehensive understanding of what is required for a broad strategy / concept for regeneration. The document incorporates a multi-staged and possibly phased timeline which incorporates considerations of funding and sustainability. It additionally shows an evaluation of ways the built environment can be protected and the interrelationships of the proposed appropriate stakeholders in order to achieve this protection in full consideration of the micro-economy and community.	16 - 20		
	Total marks for task C		20	

Task C Regeneration document for sample response (full marks)



Task	Answer	Mark
D1	<p>Soft Landings Champion - A qualified and experienced member of a project team appointed with the responsibility to represent a stakeholder group or groups. The champion will primarily be concerned with the planning, preparation and delivery of a building or project in the latter stages of its development, handover and beyond.</p> <p>Early Engagement - A series of meetings, workshops or other collaborations that have the intention to inform stakeholders, capture risks and opportunities and maximise positive outcomes prior to or in the initial stages of a project lifecycle.</p> <p>Post Occupancy Engagement (POE) - A process of obtaining feedback on a building's performance in use. The value of POE is being increasingly recognised, and it is becoming mandatory on many public projects.</p> <p>Commissioning of Building services -A process of testing and authorising the successful completion of a manufacturing process in readiness for its authorised use. This process is often followed by a full demonstration to the users of the asset such as heating, lighting and ventilation of a newly constructed building.</p> <p>Handover- A process of completion and transfer of a project to the client and / or users who commissioned the buildings construction or refurbishment. This is a major milestone in the lifetime of the project and follows the testing & commission phase mentioned in .4 above.</p>	<p>1 mark for basic definition of each keyword 2 marks for description of each keyword (Maximum 5 x 2)</p>
	Total marks for task D1	10

Task	Answer	Mark
D2	<p>1. Number of accidents, incidents and near misses - This is the quantitative method of recording and measuring the frequency of relevant health and safety events (1). These events can be associated with factors such as but not restricted to:</p> <ul style="list-style-type: none"> • Management • Supervision • Safety Culture • Appropriate approach / execution of method • Environment • Programme & Planning <p>The reduction and eradication of accident, incidents and near misses is the objective of many organisations. This has a very high priority as it concerns people's safety. It can help improve an organisation's reputation with stakeholders (1). Accept – accidents, incidents and near misses take up time and resources, thereby hindering successful project delivery. (1)</p>	<p>1 mark for explanation of each KPI 2 marks for explanation and outline of how each KPI can help deliver a successful project through its lifecycle</p> <p>5 x 2</p>

Task	Answer	Mark
	<p>2. Achieving project ‘mile stone’ dates: a programme / schedule / project milestone is an important date or activity within the timeline of the project as it develops. (1) When a milestone is referred to or achieved it can often represent a significant achievement or event such as a ‘phase’ or ‘critical path’ activity. These must be achieved for projects to be successful throughout their lifecycle. (1)</p> <p>3. Number of locally employed construction operatives: this is the quantitative method of recording the numbers of locally employed operatives / stakeholders, often within a certain number of ‘miles’ radius of the project. (1) Some projects have a minimum number of ‘locally sourced or employed’ individuals to help promote the use of local available resources. This can have a tangible ‘green effect’ with reduced travelling time of operatives, which will enhance the organisations reputation. (1) Accept - this can often help increase the earning potential of local stakeholders and help develop their skills and abilities, which will enhance the organisations reputation. (1)</p> <p>4. Number of Apprentices employed during the construction phase: this is the quantitative method of recording how many apprentices are engaged on the project and what trades they represent. (1) The construction industry has struggled to both attract and retain apprentices from many disciplines so this KPI helps promote the industry and helps to ensure apprentices have adequate practical & positive workplace experiences. This enhances the organisations reputation within the marketplace. (1)</p> <p>5. Maximum number of defects per metre squared of development: this KPI relates to the promotion of compliant / high quality elements that make up a project. The defects (also referred to as snags) often relate but not restricted to elements of a building or civil engineering project that fall short of the specification, standard or expectation.(1) The reduction and eradication of defects prior to handover is the objective of many organisations and helps improve their reputation in the market place. (1)</p>	
	Total marks for task D2	10

Assessment Criteria Grid

SECTION TASKS	LO1	LO2	LO3	LO4	Total
	AC 1.1	AC 2.1	AC 3.1	AC 4.1	
A	15			5	20
B		15		5	20
C			15	5	20
D1				10	10
D2				10	10
TOTAL LO	15	15	15	35	80

Level 3 Applied Diploma in Professional Construction Practice eSAM/ED
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