

CPCBC4029B

APPLY CONSTRUCTION INFORMATION TO THE SALES PROCESS

THEORY EXAM INSTRUCTIONS

- This exam will occur under standard assessment conditions.
 - An oral examination may be allowed under certain circumstances, whereby the Participant's answers will be documented by a party other than the Participant. This must be acknowledged in writing (e.g. Notes and Assessor Comments)
- Participants must provide enough detail in their responses to demonstrate their knowledge and skills.
- Please fill in the details below, providing your name, signature and date of assessment.
 - Your signature acknowledges that this is your own work.
- Assessors are to complete marking in pen of a different colour to the Participant.
- If a Participant initially answers a question incorrectly but modifies their response, they must follow the instructions below:
 - If a Participant changes their response in writing, they must put their initials next to the written change.
 - If a Participant changes their response verbally, this must be noted on the exam paper by the assessor.

Participant name _____

Participant signature _____

Date _____

Assessor name _____

Assessor signature _____

Date _____

Number of questions	Number of questions answered correctly	Task outcome (Tick)	
		Satisfactory	Not Yet Satisfactory
18		☐	☐

Q1. Outline the circumstances in which a building licence must be obtained before carrying out building work.

Answer

Assessor's discretion. In Queensland, the following applies:



- When carrying out any building work valued over \$3,300
- When carrying out building work valued over \$1,000 where it involves hydraulic services design
- Building work of any value where it involves: Drainage, Plumbing and drainage, Gas Fitting, Termite management (Chemical), Fire protection, Completed Residential Building Inspection, Building Design (Low Rise, Medium Rise and Open), Site classification

Q2. Describe the steps involved in organising electricity supply to site. Provide approximate timeframes for this process.

Answer

Assessor's discretion. In South East Queensland, the following occurs:



- Electrical contractor completes and enquiry on client's behalf
- Distribution Network Service (e.g. Energex) will conduct network investigations and provide an estimate of costs and timeframes (to enable a decision to be made within 20 business days)
- If there is supply available, the electrical contractor will need to enter into a Network Connection Agreement with Energex (an offer will be made within 10 days)
- After agreeing to the connection offer, the electrical contractor will prepare the premises for connection, submitting an Electrical Work Request to Energex once the work is complete. A copy of the EWR will be sent to client's chosen electricity retailer
- Energex will visit the premises to perform the requested work (i.e. within 5 business days)

Q3. True or False (Tick your response): Staged approval is one type of approval that may be sought for the building approval stage.

Answer

✓	True
	False

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Q4. True or False (Tick your response): Building provision approvals are issued by the local government (e.g. Brisbane City Council).

Answer

✓	True
	False

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Q5. Describe the steps involved in organising water supply to site. Provide approximate timeframes for this process.

Answer

Assessor's discretion. In South East Queensland, the following occurs:

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- Submit a Water Approval Application to Queensland Urban Utilities
- The Water Approval Process works in conjunction with the Council development assessment process, which requires evidence that a connection is available
- Standard connections for simple residential developments are completed within five (5) days

Q6. Identify the Volume and Parts of the NCC which outline energy efficiency requirements for Classes 1 and 10, and Classes 2 to 9.

Answer

Classes 1 and 10	Classes 2 to 9
Volume 2, Parts 2.6 and 3.12	Volume 1, Part J

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Q7. Describe the long-term benefits of sustainable building solutions. List one (1) environmental benefit and one (1) benefit for the client.

Answer

Topics	Definition
Environmental benefit	Assessor discretion. May include: - Reduced impact on the environment by sourcing items locally and buying in bulk - Recycling materials saves wastage and preserves existing resources
Client benefit	Assessor discretion. May include: - Reduced energy bills - Less need to replace materials over the building's lifetime

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Q8. Match the insurance types and definitions by writing the appropriate letter next to each number in the centre column.

Answer

Insurances		Answers	Definition	
1	Builder's All Risk	1 - B	A	Covers personal injury or property damage.
2	Indemnity	2 - C	B	Covers accidental risks of physical loss or damage during construction, third party liabilities and advance loss of profits.
3	Public Liability	3 - A	C	Covers costs where a contractor has caused building errors or omissions.
4	Workers' Compensation	4 - D	D	Covers death, injury or illness of employees.

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Q9. True or False (Tick your response): Insurance should be taken out by the contractor prior to starting construction.

Answer

✓	True
	False

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Q10. Select and describe five (5) trades involved in the construction process.

Answer

Trade	Description
Assessor discretion	May select from: Excavation, Electrician, Plumbing, Steelfixing, Gas fitting, Concreting, Carpentry, Bricklaying, Waterproofing, Plastering, Tiling, Painting, Landscaping
Assessor discretion	Assessor discretion
Assessor discretion	Assessor discretion
Assessor discretion	Assessor discretion
Assessor discretion	Assessor discretion



Q11. Order the following steps from 1 to 10 to identify an appropriate construction sequence.

Answer

Step Number	Steps
3	Floor frame
5	Windows and external door frames
7	Wall insulation
1	Set out
9	Painting
6	Electrical wiring
2	Plumbing of waste pipes
8	Internal linings
10	Landscaping
4	Wall frames



Q12. For each of the main stages of construction listed below, identify the main trades involved and an approximate duration of each stage for a standard.

Answer

Stage	Description	
1: Clearing of the site	Trades	Excavation
	Duration	Varies
2: Slab or base stage	Trades	Plumbing Termite treatment Steelfixing Concreting Bricklaying Waterproofing
	Duration	1-2 weeks
3: Frame stage	Trades	Carpentry Electrical Plumbing Bricklaying
	Duration	3-4 weeks
4: Lockup stage	Trades	Plumbing Electrical Cabinet makers
	Duration	4 weeks
5: Fit-out or fixing stage	Trades	Plumbing Electrical Plastering Gas fitting Tiling Carpentry
	Duration	5-6 weeks
6: Practical completion stage	Trades	Painting Landscaping
	Duration	7-8 weeks



Q13. Identify five (5) factors that can affect the duration of each construction stage.

Answer

Assessor's discretion. Should resemble: Project size and location



Project function

Height of the building

Building complexity

Quality requirements

Q14. Describe how each of the following factors can affect construction times.

Answer

Factor	Effect
Changed conditions	Assessor's discretion. Should resemble: If the requirements of the job are altered, this will change the initially projected timeframes, especially where additional materials and labour must be organised.
Labour availability	Assessor's discretion. Should resemble: The construction process sequence is very important when organising the required labour. For example, a plasterer should only be organised after all other trades have performed their tasks correctly – electricians and plumbers will not be able to access behind the walls as easily once the plasterer has put them up.
Material availability	Assessor's discretion. Should resemble: You must liaise with sub-contractors and suppliers to ensure materials are delivered when the sub-contractor is ready to complete their work. Materials that are rare or difficult to source should be ordered well in advance.
Weather	Assessor's discretion. Should resemble: Weather will affect the ability of trades to complete their jobs on time.



Q15. Describe the site establishment requirements for each of the points listed.

Answer

Requirement	Description
Earthworks	Assessor's discretion
Electricity	Assessor's discretion
Neighbours	Assessor's discretion
Waste disposal	Assessor's discretion
Water connection	Assessor's discretion



Q16. Identify the section of the *Work Health and Safety Regulations* that outlines the site establishment requirements listed.

Answer

Regulation section	Requirement
In Queensland Section 40	The layout of the work area must allow for persons to enter, exit and move about without risk to health and safety
In Queensland Section 41	Adequate facilities must be provided for workers, including toilets, drinking water, washing facilities and eating facilities.
In Queensland Section 308	A principal contractor for a construction project must install signs outside the work area that shows their name and telephone contact numbers and site office address.



Q17. True or False (Tick your response): The owner is able to access the site at any time.

Answer

	True
✓	False

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Q18. Which of the following parties should the client contact to access the site? Tick all that apply.

Answer

Choice	Possible Answers
✓	Contractor
	Local Government
	Industry Regulator (e.g. Queensland Building and Construction Commission)
	Subcontractors

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