

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. Answers will be documented and FT003 (Oral examination declaration form) must be completed.
- 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.
- 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

DAVID MOORE

Participant signature



Assessor name

Assessor signature

Date

Click here to enter a date.

18/06/18

Number of questions	Number of questions answered correctly	Satisfactory?	
		Yes	No
18		☐	☐

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

Answer

- Any building work valued over \$3,300
- Hydraulic Services Design valued over \$1100
- Any works involving:
 - Drainage
 - Plumbing and Drainage
 - Gas Fitting
 - Termite Management - chemical
 - Fire protection
 - Building Inspection
 - Design, low-medium-high
 - Site classification



Q2. Describe the steps involved in organising electricity supply to site. Provide approximate timeframes, assuming the site is in South East Queensland.

Answer

- For house with no supply:-
- Electrical contractor to complete an enquiry to network provider
 - Network provider to investigate and provide estimate of potential costs and timeframes for the client to make a decision within 20 business days.
- House with supply available:-
- Electrical contractor to enter into a network connection Agreement with Distribution Network service provider.
 - Network provider to supply connection offer within 10 days.
 - After agreeing to offer, electrical contractor to prepare site works for connection, submit Electrical work request once work is complete.
 - Copy of EWR sent to clients electricity retailer.
 - Network provider to perform site works within 5 business days of EWR received.
 - Timeframes may depend on impacts e.g. access, traffic



Q3. Name two (2) types of approvals that may be sought for the building approval stage.

Answer

• Development applications
• Full approval/staged Approval - building application.

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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

☐

Q5. Describe the steps involved in organising water supply to site. Provide approximate timeframes, assuming the site is in South East Queensland.

Answer

• water approval application submitted to QLD urban utilities
• Evidence to council for connection available for approval.
• Standard timeframe of connection by urban utilities 5 days depending on availability and proposed development.

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Q6. Which section of the Building Code of Australia outlines energy efficiency performance standards?

Answer

Section 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	• less destruction of environment e.g. mining • Renewable + sustainable resources are faster to grow and less reliant on time to grow e.g. hemp, bamboo • Animal life in habitat e.g. extinction
Client benefit	• health benefit from chemical based materials • Cost of electricity e.g. natural light. • Ability to feel refreshed by using sustainable materials e.g. habitat destruction, slave labor.

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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
Carpentry	Install flooring, wall frames, Roofing, windows doors, joinery.
Bricklaying	Installs brick base and walls/sills openings.
Waterproofing	Prepares wet area surfaces
Plastering	Installs internal linings/gypsum
Painting	Painting walls + ceiling Internal and external



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	Earthworks, Surveyor, carpenter/builder #Excavator, Bobcat, Trucks #
	Duration	Varies on size
2: Slab or base stage	Trades	Earthworks, Carpenter/concreter
	Duration	1-2 week * Varies on size *
3: Frame stage	Trades	Plumbing, Electrician, Carpenter, Refr
	Duration	3-4 weeks * Varies on size *
4: Lockup stage	Trades	Carpenter, Electrician, Plumber, Tile
	Duration	4 weeks
5: Fit-out or fixing stage	Trades	Plasterer, Painter, Carpenter, Plumber Electrician, Tiler
	Duration	5-6 weeks (1 week)
6: Practical completion stage	Trades	Painter, Cleaner, Building Inspector
	Duration	7-8 week (1 week)

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

Answer

- * Availability of materials
- * Availability of contractors
- * Condition of land
- * Weather
- * Change in condition
- * Change in contract
- * Funding
- * Approval/Councils
- * Health + Safety onsite.



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

Answer

Factor	Effect
Changed conditions	Variation in contract e.g. material, labor
Labour availability	Availability of contractors and scheduling can result in missing contract deadlines loss of profit.
Material availability	Material availability needs to be secured in advance and scheduling with contractors for smooth operations.
Weather	Weather will determine labor on site and timeframes, plan in advance for concrete/roofig works.



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

Answer

Requirement	Description
Earthworks	Dial before you dig, check site plans on history of land - councils.
Electricity	Contact electricity supplier, disconnect main before works, erect temporary supply for duration of project.
Neighbours	Contact neighbours and advise works onsite and provide contact information
Waste disposal	Set up skip bins or waste area to keep clear working area.
Water connection	Perform disconnection from plumber and contact council.



Q16. Identify the section of the *Work Health and Safety Regulations 2011* (Qld) that outlines the site establishment requirements listed.

Answer

Regulation section	Requirement
40	The layout of the work area must allow for persons to enter, exit and move about without risk to health and safety
41	Adequate facilities must be provided for workers, including toilets, drinking water, washing facilities and eating facilities.
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
☐	Queensland Building and Construction Commission
☐	Subcontractors

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