

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 Massimiliano Carante

Participant signature



Assessor name _____

Assessor signature _____

Date 14/01/2019

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.

Answer

Any work that is residential building work under the *Home Building Act 1989* which involves construction of a dwelling, or alterations or additions to a dwelling. It also includes repairing, renovating, decorating or applying protective treatment to a dwelling.

For licensing purposes, works considered to fall within the class of building include, but are not necessarily limited to:

- garage, carport and shed construction/erection (including kits)
- bathroom, kitchen or laundry renovations
- swimming pool building and structural landscaping
- screened, glass or pool enclosures
- atriums, conservatories
- house lifting (ie. permanently raising the height of an existing structure)
- removal and resiting of dwellings
- saunas and steam rooms.



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

Answer

The electrical contractor will advise if supply is available. Should the premise not have supply available, the electrical contractor can complete an enquiry on the client's behalf.

The Distribution Network Service Provider (e.g. Energex) will conduct the necessary network investigations and provide an indicative estimate of potential costs and timeframes for the client to make an informed decision within 20 business days

If there is supply available, the electrical contractor will need to enter into a Network Connection Agreement with the Distribution Network Service Provider. If the application is not expedited (e.g. by agreeing to the Model Terms and Conditions for Deemed Standard Connection Contracts), the Distribution Network will advise of a Network Connection Offer within 10 business days

After agreeing to the connection offer, the electrical contractor will prepare the premises for connection. The electrical contractor will submit an Electrical Work Request (EWR) to the Distribution Network Service Provider once the work is complete.

A copy of the EWR will be sent to the client's preferred electricity retailer. Once all forms are received, the Distribution Network Service Provider will visit the premises to perform the requested work.



The Distribution Network Service Provider must adhere to timeframes for new connections (e.g. Energex will attend the property 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

☐

- 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 for this process.

Answer To organise water supply to site you need to submit a Water Approval application.
In South East Queensland, this application is submitted to Queensland Urban Utilities. The Water Approval Process works in conjunction with the Council development assessment process. The two applications do not need to be submitted at the same time
Water and sewerage connection approvals are customised for all scales of development from a new house to a large factory or multi-stage residential sub-division.
Where developers are proposing to connect to our water and sewerage services, councils will require evidence that a connection is available. Generally the evidence required, and therefore the relative timing of the two approvals, will depend on the complexity of the proposed development and the likely availability of services. Standard connections for simple residential developments are usually completed within five days



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

Answer Section J



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	Reduced impact on the environment by sourcing items locally and buying in the bulk
Client benefit	They provide unique selling features and guarantee savings on the energy bills

☐

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.

☐

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

Answer

☒	True
☐	False

☐

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

Answer

Trade	Description
Excavation	Prepares the site for building by removing all vegetation and excavating footings.
Electrician	Arranges electricity to be connected; places wiring for lighting and power cables; Fixes switches, installs power points, wires electrical systems.
Plumbing	Organises water supply; installs pipes and drains; installs roof and guttering; fits taps, hot water systems and toilets; ensures that downpipes are fitted and the sewer is connected.
Steelfixing	Installs reinforcing steel to improve the strength of concrete.
Concreting	Installs formwork and boxing; pours concrete (e.g. slabs).



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	Depending on the nature of the land, there may be soil testing, site-levelling and clearing undertaken prior to actual construction.
	Duration	Varies
2: Slab or base stage	Trades	It includes measuring out the design on the site, pouring the footings, under slab drainage, moisture barrier and special mesh for termite protection.
	Duration	1-2 weeks
3: Frame stage	Trades	It includes the installation of the internal and external support structure, along with walls, conduit for electrical and plumbing, the roof frame and sheeting, gutters and insulation.
	Duration	3 -4 weeks
4: Lockup stage	Trades	The windows, doors and remaining walls will be installed. Plumbers, electricians, cabinet makers and other tradesman begin fitting out the property
	Duration	4 weeks
5: Fit-out or fixing stage	Trades	Plumbing, electrical (including lights and power points) and other fixtures and fittings will be installed. The design features that make the property a home will also be added such as cornices, tiling, cabinets and shelving, reveals and architraves
	Duration	5-6 weeks
6: Practical completion stage	Trades	When all painting, installations and detailing have been completed
	Duration	7-8 weeks



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

Answer

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	If the requirement of the job are altered, this will change the initially projected timeframes
Labour availability	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	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	Weather



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

☐

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

☐

