

Chapter 2 — Working effectively and sustainably in the construction industry

TRUE/FALSE

1. The framework of the building industry can be divided into three main industry sectors: residential construction, non-residential construction and engineering construction.

ANS: T PTS: 1 DIF: M TOP: The framework of the construction industry

2. Non-residential construction is divided into two main groups: commercial sector and industrial sector.

ANS: T PTS: 1 DIF: M TOP: Non-residential construction

3. Waffle pod slab construction is one of the composite materials being used in the construction industry.

ANS: T PTS: 1 DIF: M TOP: Materials and composite materials

4. The use of computer technology in designing buildings has helped to calculate and, more importantly, solve engineering problems.

ANS: T PTS: 1 DIF: M TOP: Computer software

5. Workplace bullying is a risk to health and safety to all workers in the construction industry as it may effect the mental and physical health of workers.

ANS: T PTS: 1 DIF: M TOP: Bullying and harassment

FILL-IN-THE-BLANKS

1. The acceptance of new technology in the Australian construction industry is partially due to _____ years of tool and machine development, as well as a willingness to embrace new technology.

ANS: 250 PTS: 1 DIF: M TOP: Tools, plant and equipment

2. Industrial relations is the relationship between _____ and workers in industry

ANS: management PTS: 1 DIF: M TOP: Industrial relations

3. The quality control system used in the building industry is designed to test a product by _____ and then checking it against set specifications

ANS: sampling PTS: 1 DIF: M TOP: Quality

4. In each state and territory there are specific rights and responsibilities for _____ and employers, employees/workers and contractors under federal, state and territory Work Health and Safety (WHS) legislation

ANS: PCBU PTS: 1 DIF: M TOP: Health and safety requirements

5. In order to carry out residential building work, most states and territories require that you must either be a holder of a _____ licence, or employ someone who is the holder of a qualified supervisor's certificate

ANS: contractor PTS: 1 DIF: M TOP: Licensing

MULTIPLE CHOICE

1. In what decade was brick veneer construction the preferred method for cladding new homes?

a. 1950s
b. 1960s
c. 1970s
d. 1980s

ANS: B PTS: 1 DIF: M TOP: Building methods

2. What is the number of minimum standards of employment that applies to all employees under the Fair Work system?

a. 7
b. 8
c. 9
d. 10

ANS: D PTS: 1 DIF: M TOP: National employment standards

3. What is the Australian Standard number for the Residential timber framed construction?

a. AS1382
b. AS1585
c. AS1684
d. AS3600

ANS: C PTS: 1 DIF: M TOP: Standards

4. What is the name of the chart that assists with the planning and sequencing of job activities within the building industry?

a. Safe Work Method chart
b. Gantt chart

- c. Planning chart
- d. Log chart

ANS: B
activities

PTS: 1

DIF: M

TOP: Planning work

5. From Table 2.2: Schedule for a brick veneer cottage on a concrete slab, how many days did it take to complete the carpentry internal joinery?

- a. 1
- b. 5
- c. 6
- d. 4

ANS: B
activities

PTS: 1

DIF: E

TOP: Planning work

6. When renovating, demolishing or constructing a house what are the estimates of waste material that are generated?

- a. 200 tonnes
- b. 100 tonnes
- c. 50 tonnes
- d. 75 tonnes

ANS: A

PTS: 1

DIF: E

TOP: Environmental aspects