

Ontario Building Code Practice Exam (Sample)

Study Guide



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SAMPLE

Questions

- 1. What is the minimum height required for a guardrail on a ramp in an industrial building?**
 - A. 900 mm**
 - B. 1000 mm**
 - C. 1100 mm**
 - D. 1200 mm**
- 2. Which of the following is not a requirement for a fire-rated door in a commercial building?**
 - A. Self-closing**
 - B. Labeled with a fire rating**
 - C. Solid core construction**
 - D. Minimum height of 2.0 meters**
- 3. What is the minimum number of exits required for a residential building with a capacity of 100 people?**
 - A. 1**
 - B. 2**
 - C. 3**
 - D. 4**
- 4. What is the minimum number of washrooms required for a commercial building with a capacity of 100 people?**
 - A. 1**
 - B. 2**
 - C. 3**
 - D. 4**
- 5. What is the minimum height required for a guardrail on a ramp in a residential building?**
 - A. 900 mm**
 - B. 1000 mm**
 - C. 1100 mm**
 - D. 1200 mm**

- 6. What is the minimum height required for a guardrail on a stairway in a commercial building?**
- A. 750 mm**
 - B. 850 mm**
 - C. 950 mm**
 - D. 1050 mm**
- 7. What is the minimum height required for a guardrail on a roof in a commercial building?**
- A. 900 mm**
 - B. 1000 mm**
 - C. 1100 mm**
 - D. 1200 mm**
- 8. What is the minimum number of accessible parking spaces required for a commercial building with 200 parking spaces?**
- A. 1**
 - B. 2**
 - C. 3**
 - D. 4**
- 9. What is the minimum width required for a hallway in a residential building?**
- A. 0.9 meters**
 - B. 1.2 meters**
 - C. 1.5 meters**
 - D. 1.8 meters**
- 10. What is the minimum number of accessible parking spaces required for a residential building with 50 parking spaces?**
- A. 1**
 - B. 2**
 - C. 3**
 - D. 4**

Answers

SAMPLE

- 1. A**
- 2. D**
- 3. B**
- 4. B**
- 5. B**
- 6. B**
- 7. B**
- 8. B**
- 9. B**
- 10. A**

SAMPLE

Explanations

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1. What is the minimum height required for a guardrail on a ramp in an industrial building?

- A. 900 mm**
- B. 1000 mm**
- C. 1100 mm**
- D. 1200 mm**

There are specific regulations for guardrails in industrial buildings, which includes the height requirement. The minimum height required for a guardrail on a ramp in an industrial building is 900 mm (around 3 feet). Options B, C, and D are incorrect because they exceed the required minimum height and may not meet safety standards.

2. Which of the following is not a requirement for a fire-rated door in a commercial building?

- A. Self-closing**
- B. Labeled with a fire rating**
- C. Solid core construction**
- D. Minimum height of 2.0 meters**

A fire-rated door is designed to prevent the spread of fire and smoke within a building for a certain amount of time. To achieve this, a fire-rated door must meet certain requirements including being self-closing, labeled with a fire rating, and having a solid core construction. These features are crucial in containing a fire and minimizing its damage. Option D, minimum height of 2.0 meters, is not a requirement for a fire-rated door. The height of a door does not affect its ability to prevent the spread of fire and smoke. This option may be included in building codes or regulations regarding accessibility, but it is not directly related to the fire safety of the door.

3. What is the minimum number of exits required for a residential building with a capacity of 100 people?

- A. 1**
- B. 2**
- C. 3**
- D. 4**

According to international building and fire safety codes, a residential building with a capacity of 100 people must have a minimum of two exits. This is to ensure the safety and efficient evacuation of all occupants in case of an emergency. Option A, with only one exit, would not be enough in the case of a fire or other emergency. Options C and D, with three or four exits, may provide additional safety measures but are not necessarily required for a building of this size according to the codes. Therefore, option B is the most appropriate and practical choice.

4. What is the minimum number of washrooms required for a commercial building with a capacity of 100 people?

- A. 1
- B. 2**
- C. 3
- D. 4

The minimum number of washrooms required for a commercial building with a capacity of 100 people is 2. This is because according to building codes, there must be one washroom for every 50 persons of capacity. Therefore, for a 100 person capacity, at least two washrooms are required. The other options (A, C, and D) are incorrect because they do not meet the minimum requirement of 2 washrooms. Option A only provides one washroom, which is not sufficient for a capacity of 100 people. Option C provides three washrooms, which is more than the minimum requirement. Option D provides four washrooms, which is also more than the minimum requirement. Therefore, the correct answer is B as it meets the minimum requirement of 2 washrooms and does not exceed it.

5. What is the minimum height required for a guardrail on a ramp in a residential building?

- A. 900 mm
- B. 1000 mm**
- C. 1100 mm
- D. 1200 mm

The minimum height required for a guardrail on a ramp in a residential building is 1000 mm, which is answer B. This is the standard height recommended by building codes for safety reasons. Option A, 900 mm, is too low and may not provide adequate protection for people using the ramp. Option C, 1100 mm, and Option D, 1200 mm, are both too high and may impede movement and accessibility for individuals with mobility aids or disabilities. It is important to follow the recommended height requirements to ensure the safety and accessibility of all individuals using the ramp. Additionally, the specific height requirement may vary depending on local building codes, so it is important to check with your local authorities for the exact measurement.

6. What is the minimum height required for a guardrail on a stairway in a commercial building?

- A. 750 mm
- B. 850 mm**
- C. 950 mm
- D. 1050 mm

The minimum height required for a guardrail on a stairway in a commercial building is 850 mm. This is because building codes and regulations typically require a guardrail to be at least 42 inches high, which is equivalent to 1065 mm. Among the given options, only 850 mm meets this height requirement. Options A, C, and D are not correct as they fall below the minimum height requirement.

7. What is the minimum height required for a guardrail on a roof in a commercial building?

- A. 900 mm
- B. 1000 mm**
- C. 1100 mm
- D. 1200 mm

A guardrail is a protective barrier that is required on roofs in commercial buildings to prevent falls and ensure safety. The minimum height for a guardrail is determined based on the roof's slope and pitch, as well as the height of the building. Option A, 900 mm, may be too low and not provide adequate protection. Option C, 1100 mm, may also be too low for a commercial building and could potentially still present a fall hazard. Option D, 1200 mm, may be an appropriate height for a guardrail, but it is not the minimum requirement. Therefore, the correct answer is B, 1000 mm, as it meets the minimum height requirement while also providing appropriate fall protection for a commercial building roof.

8. What is the minimum number of accessible parking spaces required for a commercial building with 200 parking spaces?

- A. 1
- B. 2**
- C. 3
- D. 4

The minimum number of accessible parking spaces required for a commercial building with 200 parking spaces is 2. This is because the Americans with Disabilities Act (ADA) requires a minimum of one accessible parking space for every 25 parking spaces, with the use of "fractional" rounding (meaning 0.5 spaces or more are rounded up to the nearest whole number). In the case of a commercial building with 200 parking spaces, 200 divided by 25 is 8, and 8 divided by 2 (rounding up) is 4, but the ADA sets a maximum of 2 accessible spaces for 76-100 spaces. Therefore, the minimum number of accessible parking spaces required for a commercial building with 200 parking spaces is 2. The other options, 1, 3, and 4, do not align with the ADA requirements and would not be considered the minimum number of accessible parking spaces required.

9. What is the minimum width required for a hallway in a residential building?

- A. 0.9 meters
- B. 1.2 meters**
- C. 1.5 meters
- D. 1.8 meters

A 0.9 meters is not wide enough to meet building codes and allow for safe passage through the hallway. It may not be able to accommodate passage for wheelchairs or strollers. C: 1.5 meters is wider than the minimum requirement and may take up unnecessary space in a residential building. D: 1.8 meters is wider than the minimum requirement and may take up unnecessary space in a residential building.

10. What is the minimum number of accessible parking spaces required for a residential building with 50 parking spaces?

A. 1

B. 2

C. 3

D. 4

For residential buildings, the minimum number of accessible parking spaces required is 1. This is because accessible parking spaces must be provided for every 25 spaces in a parking lot. Therefore, a residential building with 50 parking spaces would require at least 2 accessible spaces, but since the minimum is 1, option A is the correct answer. The other options are incorrect because they exceed the minimum requirement and are not necessary for a building with 50 parking spaces.