

SAMPLE QUESTIONS

The following are sample test questions typical of the style and content of the questions used in the BCCSA written certification examination.

1. **When are you allowed to put your hand in the concrete valve?**
 - a) During routine maintenance.
 - b) Never.
 - c) When the engine is off.
 - d) During clean out.
2. **Why is it important to use the boom tie-down strap?**
 - a) If the boom bounces during the travel, it will create cracks.
 - b) A bouncing boom will damage the truck's suspensions.
 - c) The boom can fall off.
 - d) It makes the unit aerodynamic.
3. **Aggregate size determines the size of the system's:**
 - a) Smallest diameter pipe.
 - b) Optimum operating pressure.
 - c) Pumping procedures.
 - d) Speed of delivery.
4. **What is the safest way to ensure that problems with your machine and equipment are remembered at the end of the work day?**
 - a) Contact your boss whenever a problem arises.
 - b) Report to the site' superintendent at the end of the day.
 - c) Phone the home office regularly throughout the day.
 - d) Keep a log record of machine and equipment performance through the work day.
5. **During operation the outriggers sink and need significant adjustment. What should you do?**
 - a) Keep adjusting the outriggers until the end of the pour.
 - b) Keep the hopper full to act as extra counterweight.
 - c) Ask the site supervisor for a soil report.
 - d) Fold boom and add dunnage under the outriggers.
6. **Which of the following items should you check first when trying to reduce boom bounce?**
 - a) That the outriggers are firm and level on their pads.
 - b) The mix design is suddenly stiffer.
 - c) Adjust pumping speed.
 - d) Add more hose so the tip is not so light.
7. **What should the operator do if they lose sight of the spotter?**
 - a) Stop immediately.
 - b) Continue with the last instruction.
 - c) Complain to the supervisor.
 - d) Do as best as possible.

8. Before leaving the yard, what four safety items should be in the cab (not including PPE)?
- Flares, safety goggles, hard hat and safety shoes.
 - Flares, fire extinguisher, safety goggles and flashlight.
 - First aid kit, flares or safety reflector, fire extinguisher and hard hat.
 - Fire extinguisher, first aid kit, emergency reflectors and operator's manual.
9. Who has the primary responsibility for ensuring that the concrete pump is set up correctly on site?
- The superintendent.
 - The placing crew foreman.
 - The operator.
 - The owner of the project.
10. What is the MINIMUM distance that a concrete pump may be set up next to a 10 ft deep straight-cut excavation?
- 5 ft.
 - 10 ft.
 - 12.5 ft.
 - 15 ft.
11. "Look Up and Live" is an expression used to help operators to look for what?
- Height of the pump.
 - Falling objects.
 - Power lines.
 - Overhead clearances.
12. Which of the following is the proper calculation of ground bearing pressure based on the downward force of the outrigger?
- Multiply the force of the outrigger leg by the area of soil contact.
 - Multiply the soil's permissible load pressure by the number of outriggers being deployed.
 - Divide the force of the outrigger leg by the area of soil contact.
 - Divide the soil's permissible load pressure by the number of outriggers being deployed.

Answer Key

1. b 2. a 3. a 4. d 5. d 6. a 7. a 8. d 9. c 10. b 11. c 12. c