

# SIDEMOUNT DIVING

## Final Exam | A | English-Metric

Instructions: Select the best answer from the choices below.  
Mark your answer on an SSI 50-Question Answer Form.

**1. Where did sidemount diving first become popular?**

- A. Among military divers
- B. In dry caves
- C. On the Britannic expedition
- D. In adaptive/disabled diver programs

**2. Which regions originally developed the technique of sidemount diving?**

- A. Egypt, Thailand, Florida
- B. France, Italy, Denmark
- C. Philippines, Truck Lagoon, Micronesia
- D. United Kingdom, Mexico, Florida

**3. A sump is:**

- A. An enlargement in a passage or room of a cave
- B. The narrow portion of a cavern
- C. An underwater cavity that is much longer than it is high or wide
- D. A submerged portion of a cave

**4. Sidemount is a \_\_\_\_ style of equipment configuration.**

- A. Static
- B. Modular
- C. Fixed
- D. Traditional

**5. Constricted passages in overhead environments require a more \_\_\_\_ equipment setup.**

- A. Robust
- B. Streamlined
- C. Technological
- D. Autonomous

**6. Sidemount divers must be able to:**

- A. Remove all cylinders with one hand
- B. Stack at least three cylinders on the right side only
- C. Remove all weights during an emergency
- D. Perform multiple regulator switches

**7. Sidemount divers typically wear from \_\_\_\_ to \_\_\_\_ cylinders.**

- A. One, four
- B. Two, five
- C. One, six
- D. Three, seven

**8. Sidemount diving protects your equipment by moving the cylinder valve underneath your:**

- A. Wing
- B. Armpits
- C. Harness
- D. Central body line

**9. Sidemount cylinders can be:**

- A. Exchanged between divers
- B. Staged at strategic points during the dive
- C. All answers are correct
- D. Moved in front of the diver to pass through a restriction

**10. Which direction does a flutter fin kick push water?**

- A. Down toward the bottom
- B. Out toward the sides
- C. Up toward the surface
- D. In toward the body central line

**11. Balancing cylinders enables:**

- A. Achieving easier trim
- B. All answers are correct
- C. Easier cylinder management
- D. Keeping a gas reserve for emergencies

**12. A diver has two cylinders filled to 200 bar. They start the dive by breathing on the long hose from the right cylinder, and use a 30 bar cylinder balancing protocol. At what pressure does the first switch occur?**

- A. 200 bar
- B. 170 bar
- C. 140 bar
- D. 185 bar

**13. A diver has two cylinders filled to 210 bar. They start the dive by breathing on the long hose from the right cylinder, and use a 20 bar cylinder balancing protocol. At what pressure does the second switch occur?**

- A. 170 bar
- B. 200 bar
- C. 190 bar
- D. 160 bar

**14. A heavily exerted diver's surface air consumption rate may increase by:**

- A. A factor of 1.3
- B. A factor of 2
- C. A factor of 1.5
- D. A factor of 5

- 15. A moderately exerted diver's surface air consumption rate may increase by:**
- A. A factor of 1.3
  - B. A factor of 2
  - C. A factor of 3
  - D. A factor of 1.5
- 16. Which of the following issues may be caused by equipment changes?**
- A. Inability to manipulate cylinders
  - B. All answers are correct
  - C. Trouble with buoyancy control
  - D. Increased task loading
- 17. What are the two main types of sidemount harnesses?**
- A. Holistic and dedicated
  - B. Detached and hybrid
  - C. Dedicated and hybrid
  - D. Single-unit and modular
- 18. Which of the following is a style of bungee mounts?**
- A. Ring
  - B. Continuous
  - C. Loop
  - D. All answers are correct
- 19. Which mounting system can be used with any style of cylinder valve without adapting the mounting technique?**
- A. Loop Bungee
  - B. Ring Bungee
  - C. Continuous Bungee
  - D. Double-Ended
- 20. Sliding attachments are primarily used:**
- A. To move accessories to a more accessible area
  - B. To move empty cylinders behind the diver
  - C. To enable more efficient gas sharing
  - D. For cylinders that become buoyant
- 21. How is a "stash pouch" typically attached to a sidemount diver?**
- A. To the shoulder D-ring
  - B. They are glued to the wetsuit or dry suit
  - C. To the lower back harness or buttplate using two double-enders
  - D. Clipped to the left cylinder with a bolt-snap
- 22. What is the purpose of the gate in a bolt snap?**
- A. It is a ring for attaching lines or objects to the bolt snap
  - B. It opens and closes to attach the bolt snap to objects
  - C. It is a permanently enclosed area that attaches to the controlling piece of equipment
  - D. It is the main part of the bolt snap that attaches the eye to the spine
- 23. What is the main advantage of a cam band for cylinder rigging?**
- A. They can be used on both aluminum and steel cylinders
  - B. They can be used on any size of cylinder
  - C. They are easy to adjust in the water
  - D. They are smaller and more compact than other clamps
- 24. What features should a well-designed sidemount regulator include?**
- A. At least four low pressure ports
  - B. Swivel turret
  - C. A single high-pressure port
  - D. A yoke attachment
- 25. What is the most common length for the long hose used in sidemount diving?**
- A. 110 cm
  - B. 230 cm
  - C. 90 cm
  - D. 210 cm

# A=50

## 50 QUESTION ANSWER FORM

Program Name:

Student Name:

Date:

SSI Dive Pro Name:

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Student Signature: (After test has been corrected and reviewed with the Instructor)

Grade:

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# KEY-50

## 50 QUESTION ANSWER FORM KEY

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