

Diving Safety – Diving Manual Exam

1. AAUS is recognized as the authority in scientific diving standards by OSHA.
 - true
 - false
2. The Diving Control Board must be made up of a majority of active scientific divers.
 - true
 - false
3. Diving Control Board, with the majority of its members being active scientific divers, shall, at a minimum, have the authority to:
 - approve and monitor diving projects
 - review and revise the diving safety manual
 - certify the depths to which a diver has been trained
 - all of the above
4. The Diving Safety Officer (DSO) serves as a member of the Diving Control Board. Duties include:
 - active underwater instructor from a nationally recognized agency
 - the conduct of training and certification
 - approval of dive plans
 - all of the above
5. Operational responsibility for the conduct of the local diving program will be retained by the Diving Safety Officer.
 - true
 - false
6. For each dive, one individual shall be designated as the Lead Diver. He/she shall be at the dive location during the diving operation. The Lead Diver shall be responsible for (pick the one that does NOT apply):
 - ensuring all dive team members possess current certification and are qualified for the type of diving operation
 - planning dives in accordance with section 2.21
 - approving the dive plan
 - briefing the dive team members
7. Diving Safety Officer or his/her designee, shall maintain permanent records for each individual certified scientific diver. Permanent records are to include:
 - medical records
 - records of dives
 - equipment inspection and testing records
 - all of the above

8. Before conducting any diving operation under the auspices of the UM,CP, the diving supervisor for a proposed operation must include in the dive plan (choose the least likely to apply):
- approximate number of proposed dives
 - estimated depth(s) and bottom time(s) anticipated
 - next of kin information for dive operations
 - nearest accessible hospital
9. The responsibility of the diver is:
- to conduct a functional check of his/her diving equipment in the presence of the diving buddy or tender
 - refuse to dive if, in his/her judgement, conditions are unfavorable
 - the capability of achieving and maintaining positive buoyancy
 - all of the above
10. Any diver may deviate from the requirements of this manual to the extent necessary to complete the task at hand.
- true
 - false
11. Each certified scientific diver shall log every dive made under the auspices of the UM,CP's program on standard forms to be provided by UM,CP Diving Control Board, and submitted to the DSO on a timely basis.
- true
 - false
12. Only those makes and models of regulators specifically approved by the Diving Safety Officer and the Diving Control Board shall be used.
- true
 - false
13. A first aid kit and DAN O₂ kit are required to be:
- available for training
 - serviced annually
 - kept in a safe place
 - on the dive site
14. A "vessel restricted in it's ability to maneuver", while conducting diving operations in the Chesapeake Bay, must fly:
- the flag supplied by the lead diver
 - the red and white flag
 - code "Alpha" flag
 - a flag attached to the radio antenna

15. When purchasing air, it is required that the supplier furnish a current and approved air sample. The sample must meet what standard?
- grade a
 - grade d
 - grade e
 - grade f
16. Gas mixtures other than air are not approved for UM,CP scientific diving.
- true
 - false
17. SCUBA cylinders used in UM,CP scientific diving program must be inspected annually. On aluminum cylinders, what method must be used?
- drop light method
 - reverse mirror inspection
 - eddy current device
 - all of the above
18. The frequency of diving medical examinations is determined by:
- number of dives made
 - length of bottom time
 - diver's age
 - DSO
19. When using surface-supplied hookah, the diver must have a redundant air system or reserve air supply.
- true
 - false
20. The UM,CP Dive Safety Manual is the authority for the operation of the Scientific Diving Program.
- true
 - false
21. Each scientific diver is certified to a specific depth. To increase the depth limit from 30 feet to 60 feet, the scientific diver must:
- take a written exam
 - be advance certified
 - do 12 supervised dives to the next level
 - do 12 dives supervised only by the DSO
22. A diver certified to the 30 foot level may not exceed that depth level unless:
- the job requires it
 - they hold advanced certification
 - the dive is approved by the P.I.
 - accompanied by a diver certified to that next level

23. Minimum activity necessary to maintain active scientific diver certification is:
- take advanced courses
 - do 10 dives while on vacation
 - dive at the maximum level of their scientific diver certification
 - do 12 dives a year near their depth certification
24. If a scientific diver's certification expires due to inactivity, they must:
- take an entry-level course over again
 - enroll in a specialty program
 - be dive-rescue certified
 - comply with requirements imposed by the DSO
25. The scientific diving program at UM,CP recognizes entry-level training by SSI (SCUBA Schools International), PADI (Professional Association of Diving Instructors), NAUI (National Association of Underwater Instructors), to name a few.
- true
 - false