



Course Instructions

NOTE: The following pages contain a preview of the final exam. This final exam is identical to the final exam that you will take online after you purchase the course.

After you purchase the course online, you will be taken to a receipt page online which will have the following link: [Click Here to Take Online Exam](#). You will then click on this link to take the final exam.

3 Easy Steps to Complete the Course:

- 1.) Read the Course PDF – download from our website
- 2.) Purchase the Course Online & Take the Final Exam – see note above
- 3.) Print Out Your Certificate

Positioning Techniques for Offshore Engineering Surveys – Final Exam

1. **Considering Sextant Resection Positioning (7-3), sextant positioning involves the simultaneous observation of two horizontal angles between three known objects from which the position of an offshore platform is resected.**
 - a. True
 - b. False

2. **Offshore construction platforms (7-12), including dredges, can _____ (and often accurately) controlled from visual ranges:**
 - a. seldom be.
 - b. not possibly be.
 - c. never be.
 - d. be effectively.

3. **Figure 7-7 depicts:**
 - a. offshore construction platforms.
 - b. laser guided alignment.
 - c. tag line surveys.
 - d. range pairs.

4. **With regards to Tag Line Equipment (7-17), tag line surveys can be conducted using _____ of continuous measuring device:**
 - a. a certain type.
 - b. any type.
 - c. one type.
 - d. a proprietary type.

5. **Tag line surveys are highly accurate without any limits.**

True
False

6. **From 7-21, electronic total stations can be configured to provide highly accurate hydrographic positioning.**

True
False

- 7. Considering Land-Based Electronic Positioning Systems, use of electronic distance measurement (EDM) techniques to position hydrographic survey vessels derived from hyperbolic aircraft navigation systems first developed during _____:**
- a. World War I.
 - b. the 1950s.
 - c. the Reagan years.
 - d. World War II.
- 8. Figure 7-15 depicts Range-Range Intersection.**
- a. True
 - b. False
- 9. The Global Positioning System (GPS) has rapidly become the _____ and navigation mode in USACE replacing microwave ranging and R/A systems:**
- a. standard surveying.
 - b. alternate surveying.
 - c. back-up surveying.
 - d. least reliable surveying.
- 10. From 7-34, the code phase tracking differential system is currently a functional GPS survey system for positioning hydrographic survey vessels and dredges.**
- a. True
 - b. False