Unit 14 - Week 12: Hydrographic Survey & Navigation

Assignment 12

This assignment allows the student to demonstrate their comprehension of the material covered by studying the Hydrographic Survey & Navigation principles.

1. Choose one of the following statements about the length of an arc: a) 1 kilometer b) 1 mile. Length along the equator. c) Both a) and b) are correct. d) None of the above. 3 points

2. State the fundamental principles of Hydrographic Survey & Navigation. 3 points

3. Find the latitude and longitude of the point where two meridians and parallels intersect. 3 points

4. Calculate the area of a triangle using the Law of Cosines. 3 points

5. Specify the key components of a hydrographic survey. 3 points

6. Explain the importance of hydrographic surveys in maritime navigation. 3 points

7. Describe the process of converting survey data into navigational charts. 3 points

8. Outline the role of hydrographic surveys in oceanography. 3 points

9. Identify the primary challenges faced in conducting hydrographic surveys. 3 points

10. Discuss the impact of technological advancements on hydrographic surveying. 3 points

11. Evaluate the significance of hydrographic surveys for maritime safety. 3 points

Submit your assignment by the due date.