

UNIVERSITY OF RUHUNA
BACHELOR OF SCIENCE IN FISHERIES AND MARINE SCIENCES DEGREE
Level III Semester II - Dec/Jan 2015/2016

OCG 3241 – Hydrography of Coastal and Marine Environments

Time: 01 hour

Part 01

Short answers : Answer all questions.

01. What do you understand by Tide? Briefly explain its relationship to the depth measurements obtained during a Hydrographic Survey.
02. Briefly explain the function of RTK.
03. List down various other disciplines associate with Hydrographic Surveys
04. What is the average speed of sound in the water? What are the factors that determine speed of sound in the water?
05. Write down names of seven equipment and their usage in Hydrographic Surveys.

Part 02

Long Answers: Answer any two (02) questions.

06. What is the principle of GPS? Explain how GPS determines position of a point on the Earth?
07. What do you understand by Bench Mark? Explain its relationship to Chart Datum and explain with a help of a diagram, how do you determine the height difference between Chart Datum and the zero of the tide pole?
08. Explain followings with the help of suitable diagrams.
 - a). Geoid
 - b). DGPS configuration
 - c). Latitude & Longitude

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