

FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA

SCHOOL OF ENVIRONMENTAL TECHNOLOGY

DEPARTMENT OF SURVEYING AND GEOINFORMATICS

FIRST SEMESTER EXAMINATION 2018/2019 SESSION

SVG 512: MARINE SURVEYING AND COASTAL MANAGEMENT

ANSWER ANY **FOUR** QUESTIONS. TIME ALLOWED: 2 ½ HOURS

1. a) Discuss position fixing in marine surveying.
b) How can you fix the position of a survey vessel on the water surface?
2. a) State five standard oceanographic equipment used by Surveyors and explain their uses.
b) Explain the oceanographic and hydrographic data necessary for dredging a river.
3. a) How can five named environmental problems of the coastal zone be solved technically and scientifically?
b) What goes on in coastal Engineering?
4. a) How do Surveyors establish controls for hydrographic surveying?
b) In the management of coastal zones which technique or method will you prefer to use, why and how?
5. a) Discuss the causes and effects of Tides.
b) Explain 'Continental shelf'.
6. a) Explain the term ' Exclusive Economic Zone'.
b) What are the aims of the Nigerian Maritime Laws?
c) List the Direct and Indirect methods of tidal current measurement.