UNIVERSITY OF AGRICULTURE, ABEOKUTA

COLLEGE OF ENVIRONMENTAL RESOURCES MANAGEMENT

DEPARTMENT OF AQUACULTURE AND FISHERIES MANAGEMENT

SECOND SEMESTER 2009/2010 SESSION

FIS	310:	OCEANOGRAPHY

INSTRUCTION: Answer ALL questions in Section A and any other TWO in Section B

TIME ALLOWED: 2HOURS

	SECTION A
1.	The scope of oceanography that deals with the study of earth crust and the processes

operating within it including those responsible for the distribution of sediment in ocean basin is called ------

2.	Which of the world oceans is located between Africa and Europe to East and America
	to the west?
3.	Surface water salinity is usually affected by and and
4.	State the broad objective of Oceanography
5.	How does ice crystal formation on the surface of the oceans influence salinity?
6.	State four importance of ocean
	i
	11.
	iii
	iv
7.	***
٠.	where is the origin of the occan;

8. What is the mass of chloride(g/kg) when the salinity of an ocean water sample is

39%0? -----

9.	Briefly explain, with equations, the role carbonic acid-bicarbonate-carbonate system
	in the ocean
10.	By what processes does oxygen get to the following strata of ocean water?
	i. Below oxygen minimum zone:
	ii. Deep zone near the bottom: and
	iii. Surface layer and
11.	Mention the two important organic nutrients in sea waterandand
	Iodine is normally titrated with using starch
	indicator when determining dissolved oxygen content in seawater
12	is used to record continuous temperature as
13.	
1.4	a function of depth
	Water density is a function of and and
15.	What happens to the salinity of a sample ice crystal collected from an ocean for
	salinity test after thawing? The water is freshwater or slightly saline (underline the
	correct option)
16.	The zone of the ocean that receives more than 1% of incident light is referred to as
17.	State four factors that affect the size of waves on the ocean
	.
	iv
18.	. Mention three factors that determine the extinction of daylight with depth in the
	ocean
	i
	ii

	III.
19.	When does spring tide occur?
20.	Mention two most important external forces that cause currents on the ocean
21.	Describe cariolis effect in relation to ocean current
22.	Why is upwelling not common in sub-tropical oceans?
23.	Why does ocean water appear blue?
24.	The ocean current that is found around the West African coast is called

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