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## National Open University of Nigeria Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi - Abuja Faculty of Science Department of Pure and Applied Sciences SEPTEMBER, 2020\_1 EXAMINATIONS

**COURSE CODE: BIO 405** 

**COURSE TITLE: HYDROBIOLOGY** 

**CREDIT UNIT: 2** 

TIME ALLOWED: 2HOURS

INTSRUCTION: ANSWER QUESTION ONE (1) AND ANY OTHER THREE (3)

**QUESTIONS** 

1. (a) Write sl (i) (ii) (iii) (iv)	nort notes on the pH Temperature Light Phosphorus	(3 marks)	
(b) Briefly de (c) Mention 5 e	scribe the types each of point and	of freshwater ecosystem. nonpoint sources of eutrophication. e of benthic invertebrates as prime indicators of environments.	(4 marks) (5 marks) ental conditions. (3 marks)
2. (a) In a tabul (b) Highligh	(9 marks) (6 marks)		
<ul> <li>3. (a) Discuss briefly fresh water ecosystem.</li> <li>(b) Define the term productivity.</li> <li>(c) Mention 4 abiotic environmental factors of aquatic ecosystems.</li> <li>(d) Outline the three fresh water habitats.</li> </ul>			(8 marks) (2 marks) (2 marks) (3 marks)
4. (a) Define to (b) Outline the (c) Differentiate (d) Enumerate pond/lake.	(2 marks) (8 marks) (2 marks) rements in a (3 marks)		
5. (a) Outline the five major natural vegetation types of Lake Chilwa wetland and describe species composition.  (9 mail of the three (3) distinct types of benthic organism.  (6 mar)			