



BOWEN UNIVERSITY (Of the Nigerian Baptist
Convention) IWO

College of Environmental Science (COEVS)

FIRST SEMESTER EXAMINATION, 2023/2024

DEPARTMENT OF ARCHITECTURE

BUI-ARC 105: NATURE OF ENVIRONMENTAL SCIENCES (2 UNITS)

INSTRUCTION: This paper contains six questions. Answer Questions 1 and 2 and any other two (2) questions in all
TIME ALLOWED: 2 hours

USE WELL LABELED DIAGRAM(S) WHERE APPLICABLE

WARNING: Please note that you are not allowed to bring mobile phone(s) into the examination hall. Non-compliance will amount to examination misconduct and attract stiff penalty.

- 1a What is the "Nature of Environmental Science"? (3 marks)
- 1b Explain the Solar System and all its Components. (10 marks)
- 1c List and Explain the components that constitute the Environment. (12 marks)
- 2a Explain any two (2) Spheres of the Earth's Ecosystem. (10 marks)
- 2b Define the following: Niche, Environmentalism, Cycle, System, and Environment. (5 marks)
- 2c How do Air and Water Pollutions each effect the Built Environment? (10 marks)
- 3 Explain any two (2) Categories of Organisms that makeup an Ecosystem. (10 marks)
- 4 Explain in details two (2) Planets in the Solar System. (10 marks)
- 5 With a well labelled diagram, explain the contributions of the following to the Environment:
Hydrological cycle and Carbon cycle. (10 marks)
- 6 List and Explain any two (2) major principles of Sustainability. (10 marks)