



NATIONAL OPEN UNIVERSITY OF NIGERIA
PLOT 91, CADASTRAL ZONE, NNAMDI AZIKIWE EXPRESSWAY, JABI - ABUJA
FACULTY OF HEALTH SCIENCES
DEPARTMENT OF ENVIRONMENTAL HEALTH SCIENCE
2025_1 EXAMINATION

COURSE CODE: EHS311

COURSE TITLE: INTRODUCTION TO ENVIRONMENTAL MANAGEMENT

COURSE UNITS: 2 CREDIT UNITS

TIME ALLOWED: 1 ½ HOURS

TOTAL SCORE: 70 MARKS

INSTRUCTION: ANSWER ALL QUESTIONS

1 (a) According to ISO 14001 (2015), what is the primary objective of environmental management, and where is its impact most significant	2 marks
(b) Enumerate the key components and goals of environmental management	3 marks
(c) Highlight how technological advancements is leading to the depletion of natural resources	2 marks
(d) Discuss health hazards associated with the use of technologies	3 marks
(e) Explain how environmental management relates to technological advancements	5 marks
(f) List five (5) different types of technology outlined by Kwazo	5 marks
2 (a) What are the environmental impacts of discarding outdated or worn-out technological goods?	3 marks
(b) Highlight the primary sources of natural radiation, and how do they contribute to daily human exposure	2 marks
(c) Enumerate the primary forms of ionizing radiation, and how they differ in terms of their properties and effects on the human body	3 marks
(d) State the potential long-term health effects of ionizing radiation	2 marks
(e) Define point source pollution	2 marks
(f) Highlight the differences between nonpoint source and point source pollution stating their causes	3 marks
(g) State how the origin of 'hygiene' is related to occupational hygiene	2 marks
(h) Explain how occupational hygiene interventions prevent environmental pollution	3 marks
(i) Enumerate the steps in occupational hygiene practice	3 marks
(j) State four (4) idea approaches to hazard prevention in occupational hygiene	2 marks
3(a) What is the socio-economic role of occupational hygiene, and its impact on workplace and community safety?	2 marks

(b) What are the differences between industrial hygiene and industrial safety, and how do they complement each other in ensuring workplace safety? **3 marks**

(c) Define nitro compounds, and state how they are produced **3 marks**

(d) Highlight one environmental effect of nitro compounds, and their impact on human health **2 marks**

(e) State the principle behind the chemiluminescence technique used to measure nitrogen oxides **3 marks**

(f) Highlight how chemiluminescence analyzer converts light intensity into a concentration of nitrogen oxides **2 marks**

(g) What are the major causes of biodiversity loss, and why is biodiversity important for the ecosystem? **5 marks**

(h) Discuss ozone layer depletion and its potential impacts on the earth **3 marks**

(i) State the economic impacts of environmental degradation, particularly on the tourism industry **2 marks**