



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- 2 (a) What are the environmental impacts of discarding outdated or worn-out technological goods?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**