



National Open University of Nigeria
Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi - Abuja
Faculty of Science
SEPTEMBER, 2020_1 EXAMINATION

COURSE CODE: EMT 307

COURSE TITLE: Environmental Pollution Studies

CREDIT: 3 Units

TIME ALLOWED: 2½Hours

Instruction: Attempt question number ONE (1) and any other FOUR (4) questions. Question number one (1) is compulsory and carries 22 marks, while the other questions carry equal marks (12) each.

- 1a) What is eutrophication? **(1mark)**
 - 1b) Explain the term water quality **(4marks)**
 - 1c) State the ways in which solid wastes can be managed **(3 marks)**
 - 1d) How can unhealthy management affect soil pollution **(2 marks)**
 - 1e) What are the causes of deforestation **(2 marks)**
 - 1f) Enumerate how land pollution will be prevented **(4 marks)**
 - 1g) Explain the man-made (anthropogenic) sources of air **pollution (6marks)**
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- 2a) Define the term deforestation **(1mark)**
 - 2b) Discuss briefly types of pollution **(4marks)**
 - 2c) How can Land Pollution be prevented? **(7marks)**
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- 3a) What is noise? **(2marks)**
 - 3b) State how disposal will help in waste control **(3 marks)**
 - 3c) State the effects of pesticides on general health **(7marks)**
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- 4a) What is image rectification and restoration? **(1mark)**
 - 4b) List the various techniques of pre-processing digital images **(4marks)**
 - 4c) Describe the characteristics of ozone **(3marks)**
 - 4d) Highlight 4 factors that contribute to climate change **(4marks)**
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- 5a) What is biodiversity conservation **(1mark)**
 - 5b) State the importance of soil conservation **(2marks)**
 - 5c) What are the reasons for conservation **(3marks)**
 - 5d) Write briefly on municipal water pollution **(2marks)**
 - 5e) Describe how plastics can be recycled **(4marks)**
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- 6a) Attempt a classification of air pollutants according to their chemical composition **(6marks)**
 - 6b) Discuss how the following can contribute to noise induced hearing loss in African countries **(6marks)**
 - i. Small Scale Industries (informal sector) (ii) Formal Industrial sector **iii** Sources of non-occupational noise