



nº da inscrição:

MINISTÉRIO DA EDUCAÇÃO
Universidade Federal de Ouro Preto
Programa de Pós-Graduação em Engenharia Ambiental – PROAMB



Prova de Seleção – Mestrado

LINGUA INGLESA

15/02/2016

Instruções aos candidatos:

- (1) Preencher **somente o número de inscrição** em todas as folhas.
- (2) Usar caneta preta ou azul.

1 After reading, please translate the following text into Portuguese

2

3 Environmental engineering is a relatively new profession with a long and honorable history. The
4 descriptive title of “environmental engineer” was not used until the 1960s, when academic programs in
5 engineering and public health schools broadened their scope and required a more accurate title to
6 describe their curricula and their graduates. The roots of this profession, however, go back as far as
7 recorded history. These roots reach into several major disciplines including civil engineering, public
8 health, ecology, chemistry, and meteorology. From each foundation, the environmental engineering
9 profession draws knowledge, skill, and professionalism. Everything seems to matter in environmental
10 engineering. The social sciences and humanities, as well as the natural sciences, can be as important to
11 the practice of environmental engineering as classical engineering skills. Many environmental
12 engineers find this combination of skills and disciplines, with its inherent breadth, both challenging and
13 rewarding. In universities, however, inclusion of these disciplines often requires the environmental
14 engineering student to cross discipline and department boundaries. Deciding what to include in an
15 introductory environmental engineering book is critical but difficult, and this difficulty has been
16 enhanced by the growth of environmental engineering since the first edition of this book. The text is
17 organized into areas important to all environmental engineers: water resources, air quality, solid and



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18 hazardous wastes (including radioactive wastes), and noise. Chapters on environmental impact
19 assessment and on risk analysis are also included. Any text on environmental engineering is somewhat
20 dated by the time of publication, because the field is moving and changing rapidly. We have included
21 those fundamental topics and principles on which the practice of environmental engineering is
22 grounded, illustrating them with contemporary examples. We have incorporated emerging issues, such
23 as global climate change and the controversy over the linear nonthreshold theory, whenever possible.
24 This book is intended for engineering students who are grounded in basic physics, chemistry, and
25 biology, and who have already been introduced to fluid mechanics. The material presented can readily
26 be covered in a one-semester course.



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