

**1 UNIVERSITY OF KWAZULU- NATAL
SCHOOL OF AGRICULTURAL, EARTH & ENVIRONMENTAL SCIENCES
DISCIPLINE OF GEOGRAPHY
EXAMINATION: NOVEMBER 2014
MODULE NAME & CODE: ENVIRONMENTAL MANAGEMENT
ENVS322 H2**

DURATION : 3 HOURS

TOTAL MARKS: 300

**INTERNAL EXAMINER: J LUTCHMIAH
EXTERNAL EXAMINER: PROF S GRAB
UNIVERSITY OF WJWATERSRAND**

**INSTRUCTIONS: ANSWER THREE QUESTIONS.
ALL QUESTIONS CARRY EQUAL MARKS.**

- 1) Environmental degradation, a global phenomenon, can be attributed to inappropriate execution of human activities. Provide a clear description of one such activity, its impacts on the environment (social, economical and ecological) and propose measures to alleviate such impacts. (100)
- 2) With the aid of a case study explain, in detail, the procedures required to formulate a Strategic Environmental Assessment Report. (100)
- 3) Discuss, with the aid of a flow diagram, the various stages that characterise the EIA procedure. (100)
- 4) Life Cycle Assessments (LCAs) can range from being simplistic to comprehensive. Provide explanatory notes on the three types of LCA's and thereafter discuss, with examples, the relevance of this programme from a user point of view. (100)
- 5) Illustrate, with examples, your understanding of the various types of environmental auditing. (100)
- 6) The use of qualitative data in Social Impact Analysis has, very often, attracted criticism for being "soft" and inaccurate. Authorities involved in Social Impact Analysis, however, are of the conviction that qualitative data are just as valuable as quantitative data in assessing the impacts of development on communities. Provide an in-depth review of this environmental assessment tool. (100)