

**NATIONAL OPEN UNIVERSITY OF NIGERIA
FACULTY OF AGRICULTURAL SCIENCES
DEPARTMENT OF CROP & SOIL SCIENCE**

EXAMINATION: SECOND SEMESTER POP EXAMINATION FEBRUARY 2108

COURSE TITLE: ENVIRONMENTAL IMPACT ASSESSMENT

COURSE CODE: AGR 307

TOTAL SCORE: 70 MARKS

TIME ALLOWED: 3 hours

INSTRUCTION: Answer compulsory question 1 (25marks) and any three questions (15 marks each)

QUESTION

- Q1 a) State any two definitions Environmental Impact Assessment (EIA). (8marks)
- b) Highlight the potential scope of a comprehensive EIA process. (8marks)
- c) Briefly explain the origin of EIA and legal framework for EIA in Nigeria. (9marks)
- Q2 a) State the Various types of impact assessments based on the purpose and the theme of development. (8marks)
- b) Explain why Strategic Environmental Assessment (SEA) is particularly more important in EIA. (2.5marks)
- c) Mention the three typical questions that can be addressed or requiring in HIA. (4.5 marks)
- Q3 a) Highlight the key elements of environmental impact assessment (EIA). (5marks)
- b) Differentiate by meaning the screening and scoping exercises in EIA. (5marks)
- c) Enumerate five issues to be considered in the scoping exercise of EIA?

- Q4 a) What are the factors to be considered in formation of Alternatives in EIA? (5marks)
(6marks)
- b) List five examples of policy Alternatives in EIA.(5marks)
- c) Briefly explain the concept of Zero action alternatives in selection of activities. (4marks)
- Q5 a) what is mitigation measures in EIA. (3marks)
- b) Provide mitigation measures for following impact actions;
- I. I. 400ha of prime forest would be lost to accommodate the palm oil plantation
- II. II. valuable community farms to be relocated
- III. III. a bird sanctuary within the land area will be disturbed and lost.
- IV. IV. access to a river used by a community for drinking and other purposes will be blocked
- V. V. the project will block the movement of monkeys from the north to the south of their feeding ground.(10marks)
- C) Define Monitoring Plan. (2marks)
- Q6 a) what is an Environmental Impact Assessment (EIA) report? (3marks)
- b) Accordingly highlight the chapters heading of table of Contents of an environmental impact assessment report. (9marks)
- c) State the phases for Preliminary Identification of Potential Impacts. (3marks)