



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**91, CADASTRAL ZONE, UNIVERSITY VILLAGE, JABI, ABUJA**  
**FACULTY OF AGRICULTURAL SCIENCES**  
**DEPARTMENT OF CROP AND SOIL SCIENCES**  
**2020\_2 EXAMINATION**

**COURSE TITLE: ENVIRONMENTAL IMPACT ASSESSMENT**

**COURSE CODE: AGR 307**

**TOTAL SCORE: 70 MARKS**

**TIME ALLOWED: 2hours 30 minutes**

**INSTRUCTION: Answer FOUR Questions in all.**

*Question 1 is compulsory (25marks) and any three questions (15 marks each)*

**Q1**

- a) Enumerate all the potential impacts of a proposed major project on vegetable farming on the banks of Rigachikun River. Limit the potential impacts to the initial stage of establishing the farm (construction phase). You may wish to present your answer in a Tabular form. (15marks)
- b) From your results above, bring out relative meanings of Environmental Impact Assessment. (10marks)

**Q2.**

- a) In a drive to determine whether the status impact of the project to a level that warrants mitigation, outline the judgment of significance that will be based on. (10marks)
- b) Why is a project-level EIA relatively simple? (5marks)

**Q3**

- a) Elaborate the key characteristics of environmental impact assessment (EIA). (5marks)
- b) In form of a table, differentiate between the screening and scoping exercises in EIA. (10marks)

**Q4**

- a) You are tasked as an Environmental impact assessment expert to evaluate health impact, what are three typical questions that can be addressed or required in the assessment (HIA). (12marks)
- b) Define the term ToR in scoping? (3marks)

**Q5**

- a) Discuss in brief environmental mitigation measures. (5marks)
- b) Give mitigation measures for the following impact actions;
  - 1) 200ha of fresh farmland would be lost to accommodate the millet farm
  - 2) valuable community farms to be relocated
  - 3) a piggery farm within the land area will be disturbed and lost.
  - 4) access to a river used by a community for drinking and other purposes will be blocked
  - 5) the project will block the movement of cattle from the north to other parts of the country for their feeding ground. (10marks)

**Q6**

- a) Give reasons as how EIA report is different from a thesis. (9marks)
- b) Name the Potential effects or impacts that are distinguished according to the three phases of a proposed activity:6marks)