

**NATIONAL OPEN UNIVERSITY OF NIGERIA
FACULTY OF AGRICULTURE SCIENCES
FIRST SEMESTER EXAMINATION, JANUARY 2018**

Course Title/Code: AGM314; Introduction to Agricultural Mechanization

Credit Unit: 2

Total Score: 70 marks

Time: 2½hours

Instruction: Answer question one (1) and any three (3) others

Question 1 has 25marks other questions have 15marks each.

Q 1.

- a) In machinery management, what is a fixed cost (5 Marks)
- b) What are the factors affecting fixed cost (5 Marks)
- c) A machine was purchased at a cost of N120,000.00 it has a salvage value of 10 percent and a useful life of 15years. Calculate the annual depreciation of the machine using the straight line method (15 Marks)

Q2. What are the three major classification of machines used to perform primary tillage. (15 Marks)

Q3. Name the three principles types of plows use for farming (15 Marks)

Q4. Describe the moldboard plow and state its working principle. (15 Marks)

Q5. Differentiate between row crop planters and grain drills/broadcasters.(15 Marks)

Q6. List the five basic engine parts of an internal combustion engine.(15 Marks)