

**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)