

2021 YEAR 13 AGRICULTURAL SCIENCE WORKSHEET 4

Take note: Please attempt the questions at the back of your Agricultural Science Note book.

ESSAY QUESTIONS

Write an essay of approximately **180-200** words to answer each question.

Please note that the allocation of marks for the content has been included for each question and **1** mark is allocated to the structure of the essay. Each question is worth **10** marks.

In this section, you are given an opportunity to show that you can:

- (i) select ideas relevant to the topic;
- (ii) use appropriate examples; and
- (iii) communicate information clearly and logically.

Question 1

Maintaining farm machinery is vital to farm mechanization.

With reference to the above statement, discuss three

- factors that affect the function of machines and their effects **(3 marks)**
- methods of ensuring machines are protected from the factors identified in paragraph **(3 marks)**
- regular maintenance procedures needed for the engine oil system. **(3 marks)**

Question 2

Maintenance is the regular care machines need to work safe and well.

With reference to the above statement, discuss three regular maintenance the following tractor systems require

- cooling system **(3 marks)**
- air intake and exhaust system **(3 marks)**
- electrical system **(3 marks)**