

## 2021 YEAR 13 AGRICULTURAL SCIENCE WORKSHEET 3

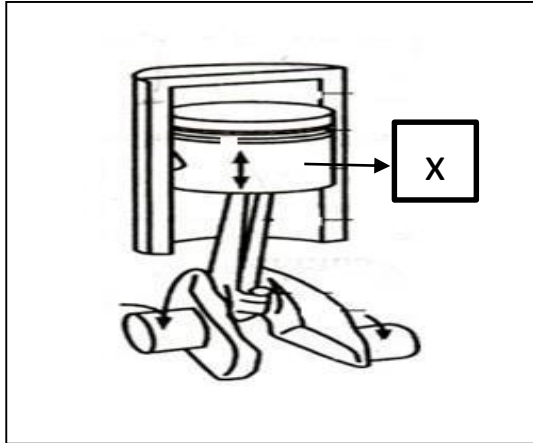
### Short Answer Questions

#### **INSTRUCTIONS**

***Please attempt these questions at the back of your Agricultural Science Book. Do not write the questions only answers.***

#### **2018 FY13CE**

(Q1) The diagram below illustrates the internal combustion engine.



Source: Agricultural Science Year 13 Textbook, Ministry of Education, 2018

- Describe the function of the part labelled **X**. **(1 mark)**
- (Q2) Explain **one** reason why tractor maintenance is important. **(2 marks)**
- (Q3) Differentiate between a spark ignition engine and a compression ignition engine in relation to the size of the engine. **(2 marks)**
- (Q4) State the function of the **radiator** in the cooling system of an engine. **(1 mark)**

#### **2019 FY13CE**

- (Q5) State the function of the fuel injector in a **two** stroke engine. **(1 mark)**
- (Q6) Explain the **major** difference in the two stroke engine and the four stroke engine in relation to power production. **(2 marks)**
- (Q7) Describe the processes that occur during the compression stroke in a spark ignition engine. **(2 marks)**
- (Q8) Identify **one** problem that a farmer would face when there is a hole in the tubing of the fuel system of the tractor. **(1 mark)**

#### **2020 FY13CE**

- (Q9) The farmer noticed that the tractor was not able to produce light and the engine could not start. Describe the problem that the tractor is facing. **(2 marks)**
- (Q10) State **one** function of the engine oil system of the tractor. **(1 mark)**