

## YEAR 11 AGRICULTURAL SCIENCE WORKSHEET

### Short Answer Questions

#### **2017 FYr11FE**

- (a) State **one** reason why field trials should be **repeated** before conclusions are drawn.
- (b) Explain **one** reason why a researcher writes a literature review **before** beginning a field trial
- (c) State **one** way in which the shelf life of raw commodities produced on farms is reduced.
- (d) Explain **one** effect that value adding methods may have on the **nutritive value** of a **raw** agricultural product.
- (e) State **one** reason why it is important to **maintain** the wide variety of flora and fauna in Fiji.

#### **2018 FYr11FE**

- (a) State **one** way in which a school could deal with the challenge of a lack of land for agriculture gardens
- (b) The diagram below represents the field trial layout design used by students to determine the type of mulch material suitable for use on a French bean crop.

		<b>T = Treatment</b>		<b>C = Control</b>			
T1	C1	T2	T3	C2	T4	T5	C3

Explain **one** reason why the field trial has a **control**.

- (c) Name the **process** which occurs when raw food is left to soak in brine or vinegar.
- (d) Explain **one** effect that cooking has on **raw** agricultural products.
- (e) State **one** reason why Fiji's **endemic** flora and fauna must be maintained.

#### **2019 FYr11FE**

- (a) A visiting expert advises a farmer to replace the variety of maize growing on the farm with a new variety.

Explain **one** way in which the farmer may **react** to the advice.

- (b) Name **one** Measure of Central Tendency which is used to determine if data collected from a field trial is valid and reliable.
- (c) State **one** reason why plant products, like bean pods, are **blanched** before freezing.
- (d) Explain **one** reason why some food items are fortified during the value adding process.