

**RISHIKUL SANATAN COLLEGE**  
**AGRICULTURE SCIENCE YEAR 13**

**REMINDERS:**

1. Do all revision questions at the back of your Agriculture Science exercise book
2. Write the questions before answering
3. Do not write or put any mark in the booklet
4. All the best. Stay home and stay safe.

**REVISION WORKSHEET**

**WEEK 1**

1. Differentiate between import and export
2. list three roles/importance of import and export trade
3. list five export commodities of Fiji in descending order
4. Discuss Fijis current statistic in relation to international trade
5. Differentiate between devaluation and balance of trade
6. How do quarantine controls affect international trade?
7. List down 3 threats in international marketing?
8. Discuss how the following issues has an impact on import and export of agricultural products in Fiji
  - a. Transportation
  - b. International marketing
  - c. Consumer behavior
9. Explain why food and nutrition security is important for a country
10. Explain the importance of sustainable development in agriculture

## **WEEK 2**

### **ESSAY WRITING**

#### **QUESTION 1**

**Import and export trade play important roles in the development of the economy of Fiji.**

**With reference to the above statement, discuss three ways in which the following issues impact international trade**

- **Transportation**
- **Guidance and regulation**
- **Consumer behavior**

#### **QUESTION 2**

**Discuss three possible solutions to improve trading in Fiji.**

## **WEEK 3**

1. Define the following terms
  - Quota
  - Exchange permit
  - Balance of trade
  - Devaluation
  - Duty
  - Green economy
2. State examples of green economy concept in the community
3. State three economic benefits of green economy towards achieving sustainable development goal
4. State three environmental benefits of green economy concept towards achieving the sustainable development goal
5. State three social benefits of green economy concept towards achieving the sustainable development goal
6. Differentiate between eco-friendly and green lifestyle
7. List three types of green job
8. Justify one reason why countries in the world are taking the initiative in focus on the green revolution
9. Explain one way in which crop scheduling could improve trading in Fiji
10. How does technical field support local production in Fiji

## WEEK 4

### Essay writing

*It must be noted that the green careers that are in higher demand are in fields that are already exist. The job tasks don't change, but there is a growing need for them as the demand for green goods and services increases. Discuss:*

- What green job is and its role towards sustainable development
- Three benefits of green economy concept
- Three types of green jobs

## WEEK 5

1. The movement of the piston from one dead center to another is called a
  - A. Stroke
  - B. Rotation
  - C. Revolution
  - D. Combustion
2. The function of the spark plug in an engine is to
  - A. Spray fuel
  - B. Remove burnt gases
  - C. Ignite the fuel and air mixture
  - D. Connect the piston to the crankshaft
3. State the function of the following parts of internal combustion engine
  - i. Valves
  - ii. Crankcase
  - iii. Connecting rod
  - iv. Piston pin
4. Discuss the four cycles of a spark ignition engine
5. Discuss the principle of the two stroke engine
6. State two differences between a two stroke engine and a four stroke engine.
7. Explain one reason why spark ignition engines are small and light.
8. State an advantage of a spark ignition
9. Differentiate between a bore and a stroke.
10. Discuss the operation of a compression ignition engine

## **WEEK 6**

1. Define the term maintenance?
2. State three main enemies of machines.
3. Discuss the three types of machines mention above?
4. Name three types of filters used for oil, fuel and air.
5. Discuss the types of filters mention above
6. State the function of the following parts of fuel system:
  - i. Fuel tank
  - ii. Fittings
  - iii. Filters
  - iv. Carburetor
  - v. Fuel injectors
7. Differentiate between intake systems and exhaust system?
8. State three maintenance needed in a cooling system?
9. State the function of the following parts of an electrical system?
  - i. Alternator
  - ii. Battery
  - iii. Circuit
10. Discuss two regular maintenance needed in an engine oil system?

## WEEK 7

1. The short term goal of a commercial farmer is to
  - A. Increase the herd size of the farm
  - B. Maximize production cost
  - C. Buy a combine harvester
  - D. Maximize profit
2. Cash on hand, fertilizer, crops and livestock for sale are items that are usually used within a year and are known as
  - A. Non-current liabilities
  - B. Non-current assets
  - C. Current liabilities
  - D. Current assets
3. The farmer wanted to apply for a loan from the Fiji Development Bank to extend the farm size and was required to produce a statement on the worth of the farm business by 30<sup>th</sup> March, 2018. The farmer is going to produce a statement of the farms
  - A. Balance sheet
  - B. Cash flow budget
  - C. Income statement
  - D. Net worth statement
4. Differentiate between short term goal and long term goal
5. Explain one importance of monitoring the farm
6. Name the six types of farm management tools that farmers can use to assess the performance of the farm.
7. Differentiate between revenue and expenses
8. State two importance of balance sheet
9. Differentiate between current assets and non-current asset
10. State the causes of depreciation

## **WEEK 8**

1. State three importance of balance sheet
2. Name two types of a farm records
3. Discuss the three types of farm records on the farm
4. Differentiate between hired labour and permanent labour
5. State three importance of keeping farm labour records
6. State one importance of having labourers on the farm
7. Explain one advantage of permaculture
8. Discuss the three steps in preparing a soil medium for container gardening in school
9. State one importance of plant breeding
10. Explain the purpose of constructing the drainage hole 2.5cm from the bottom of the container.
11. Name an aromatic plant that is used to control pest and diseases in organic container gardening.
12. Define the following terms
  - i. Inbreeding
  - ii. Line breeding
  - iii. Out breeding
  - iv. Cross breeding
  - v. Ephemeral
13. Discuss four importance of plant breeding
14. Explain the term heterosis
15. State two advantages of permaculture
16. State three advantages of rooftop garden
17. Identify two methods of organic vegetable container gardening
18. Explain one reason why organic vegetable container garden need to be supplies with compost nutrient
19. List the component of an ideal soil mixture ratio for clay soil
20. State the type of soil used for container gardening.