

PENANG SANGAM HIGH SCHOOL**EXAMINATION REVISIONAL QUESTIONS 2021****AGRICULTURAL SCIENCE – Weeks 22-24
YEAR 13****QUESTION PAPER AND ANSWER BOOK**

SECTION A: Circle the letter of the correct answer.

1. In year 2015, the **country** that was buying most of Fijis agriculture product was
 - A. Tonga
 - B. Samoa
 - C. USA
 - D. New Zealand

2. The difference between a country's total imports and exports is known as
 - A. duty
 - B. trade deficit
 - C. balance of trade
 - D. quota

3. In 2015, Fiji **buys** most of its crops and livestock from
 - A. Australia
 - B. New Zealand
 - C. China
 - D. Belgium

4. A product that has reduced impact on the environment is known as
 - A. toxic
 - B. eco friendly
 - C. processed
 - D. fresh

5. A green job that is provided by the **Green Policy and Direction** sector is
 - A. landscape architect
 - B. mechanical engineer
 - C. electrician
 - D. public relations specialist

9. Which of the following diagrams above shows the power stroke of the spark ignition engine ?
- A. D.
 - B. C.
 - C. B.
 - D. A.
10. An example of a **short term goal** is to
- A. buy a harvester
 - B. plant long term crops
 - C. minimise production cost
 - D. start another enterprise such as dairy farming.
11. A statement of financial position at a specific point in time of a business is known as the
- A. profit and loss statement.
 - B. balance sheet.
 - C. business plan.
 - D. inventory.
12. An example of non – current asset is
- A. cash on hand.
 - B. fertilizer.
 - C. chemicals.
 - D. breeding livestock.
13. A document that forecast cash inflows and outflows over several periods is known as the
- A. cash flow account.
 - B. profit and loss account.
 - C. inventory.
 - D. balance sheet.
14. The value of an asset or property at the end of at the end of its economic or useful life is known as
- A. obsolescence.
 - B. salvage value.
 - C. net book value.
 - D. rate of depreciation.
15. The type of labour that involves members of the family is known as
- A. hired labour.
 - B. permanent labour.
 - C. family labour..

- D. management.
16. A farmer needs to apply lime to his acidic soil to achieve a suitable pH for the crop he wants to grow. If, after adding a large amount of lime, there is hardly any change in the soil pH, the soil is said to have high
- A. buffering.
 - B. porosity.
 - C. productivity.
 - D. turgidity.
17. When Kumar inspected his plots, he noticed that the lower leaves of his tomato plants were yellow between the veins and were turning to purplish in colour. Kumar would assume that the crop is lacking in
- A. potassium.
 - B. calcium.
 - C. magnesium.
 - D. phosphorous.
18. The type of water that is available to plants is
- A. excess water.
 - B. adhesion water.
 - C. gravitational water.
 - D. cohesion water.
19. When all soil pores are filled with water, the soil is said to have
- A. saturated.
 - B. reached field capacity.
 - C. reached permanent wilting point.
 - D. buffering capacity.
20. The conversion of an element from an organic to an inorganic state is known as
- A. absorption.
 - B. cation exchange capacity.
 - C. mineralization.
 - D. anion exchange.

SECTION B

QUESTION 1

- a) State at least one threat of international marketing. (1 mark)

b) State one way of achieving food and nutrition security in Fiji. (1 mark)

c) State the role of Biosecurity with reference to safeguarding Fiji. (1 mark)

d) State at least one way in which trade and market access can be improved in Fiji. (1 mark)

e) Differentiate between balance of trade and devaluation. (2 marks)

f) Explain how transportation affects import and export of agricultural products in Fiji. (2 marks)

g) Explain the term food and nutrition security. (2 marks)

QUESTION 2

a) Describe how a Green Economy can help reduce poverty. (2 marks)

b) Explain how the sector Pollution Prevention and Environmental Clean-up contributes to an eco-friendly environment. (2 marks)

c) State the function of the cylinder block in the internal combustion engine. (1 mark)

d) State the importance of maintenance in the internal combustion engine. (1 mark)

e) Describe the function of lubricants in a farm machine. (1 mark)

f) State at least one maintenance procedure of the fuel system. (1 mark)

g) State the function of the alternator generator. (1 mark)

QUESTION 3

a) State what would happen if dirt and water gets into the fuel in the engine. (1 mark)

b) State at least one data item that must be provided to construct a Profit and Loss Account. (1 mark)

c) State at least one component of the balance sheet. (1 mark)

d) State an example of a wage record with reference to labour used on the farm. (1 mark)

e) Describe the term start – up capital. (1 mark)

f) Define the term business plan. (1 mark)

g) Write the general equation that is referred to when preparing a balance sheet. (1 mark)

h) Differentiate between liabilities and equity. (2 marks)

i) State at least one nutrient that plants derive from the atmosphere. (1 mark)
