

PENANG SANGAM HIGH SCHOOL

REVISION WORKSHEET

[WEEKS 25 – 27]

YEAR 10

AGRICULTURAL SCIENCE

SECTION A

MULTIPLE CHOICE QUESTIONS

(20 MARKS)

In your Answer Book, circle the letter that represents the most appropriate answer.

1. The factor that determines the price and consumer demand of agricultural products is
 - A. shape.
 - B. colour.
 - C. quality.
 - D. quantity.

2. Which of the following is imported agricultural products?
 - A. Rice and lamb
 - B. Water and papaya
 - C. Molasses and gold
 - D. Fuel and garments

3. Which of the following is a **disadvantage** of organic farming?
 - A. Requires skills
 - B. Reduces pollution
 - C. Safer food
 - D. Sustains production

4. A person or group of people who are the **final** users of products or services are
- A. farmers.
 - B. suppliers.
 - C. labourers.
 - D. consumers.
5. The term that refers to the production of only **one** product on the whole farm is
- A. monoculture.
 - B. crop rotation.
 - C. interplanting.
 - D. intercropping.
- The diagram below illustrates a farm implement.



<http://encrypted-tbn0.gstatic.com/images>

6. The farm implement shown **above** is the
- A. Rotovator.
 - B. Seed drill.
 - C. Diamond harrow.
 - D. Combine harvester.
7. The farm implement that could be drawn both by **animal** and **tractor** is the
- A. mould board plough.
 - B. disc harrow.
 - C. disc plough.
 - D. rotovator.

8. The blades of the disc harrow are **scalped** to assist with
- A. mixing soil.
 - B. forming drains.
 - C. collecting debris.
 - D. cutting up plant remains.
9. Canned foods, raw pasta and sugar are classified as **non-perishable** items because they
- A. are fresh.
 - B. are cheap.
 - C. are readily available.
 - D. have a longer shelf life.
10. The **first step** that the farmer undertakes after securing a market and deciding on the enterprise for the farm is to
- A. buy the inputs needed.
 - B. collect three quotations.
 - C. prepare a list of inputs needed.
 - D. prepare a budget for the inputs needed.
11. The selling of goods and services to **other** countries is
- A. trading.
 - B. exporting.
 - C. importing.
 - D. advertising.

The diagram below illustrates a disc plough.



Source: *fieldking.net*

12. The **main** function of the part **labelled A** is to
- A. hold the discs.
 - B. cut and turn soil.
 - C. scrape soil from disc.
 - D. keep the plough steady.
13. The document that is prepared by the farmer **before** starting a farm to ensure that financial capital is available when needed is known as
- A. diary.
 - B. budget.
 - C. quotation.
 - D. questionnaire.
14. Deciding on the type of enterprise to choose from, a farmer needs to conduct
- A. research.
 - B. an interview.
 - C. a market survey.
 - D. analysis of past years records.

15. The term that refers to the **financial records** of an organisation that register all financial transactions is
- A. diary.
 - B. accounts.
 - C. inventory.
 - D. profit and loss statement.
16. A formal **statement** of promise by potential suppliers to supply the goods or services required by a buyer, at specified prices, and within a specified period is a
- A. diary.
 - B. budget.
 - C. quotation.
 - D. inventory.
17. Seeds, cuttings, suckers and polythene bags are needed by horticultural enterprises and are classified as
- A. inputs.
 - B. outputs.
 - C. fixed items.
 - D. factors of production.
18. The term that refers to the outline of work carried out on the farm is
- A. diary.
 - B. budget.
 - C. schedule of work.
 - D. profit and loss account.
19. Which of the statements given below is **true** about the function of the mould board?
- A. Reduces furrow size
 - B. Turns the furrow size
 - C. Keeps the plough steady
 - D. Makes a horizontal cut in the soil

20. It is advisable for a farmer to purchase inputs for a chosen enterprise by gathering and comparing information from

- A. a diary.
- B. farm records.
- C. three quotations.
- D. inventory records.

SECTION B

SHORT ANSWER QUESTIONS

[20 MARKS]

1. Answer **all** the questions.
2. Each question is worth **10 marks**.

QUESTION 1

[10 MARKS]

Match the terms in **List A** with their correct descriptions from **List B**.

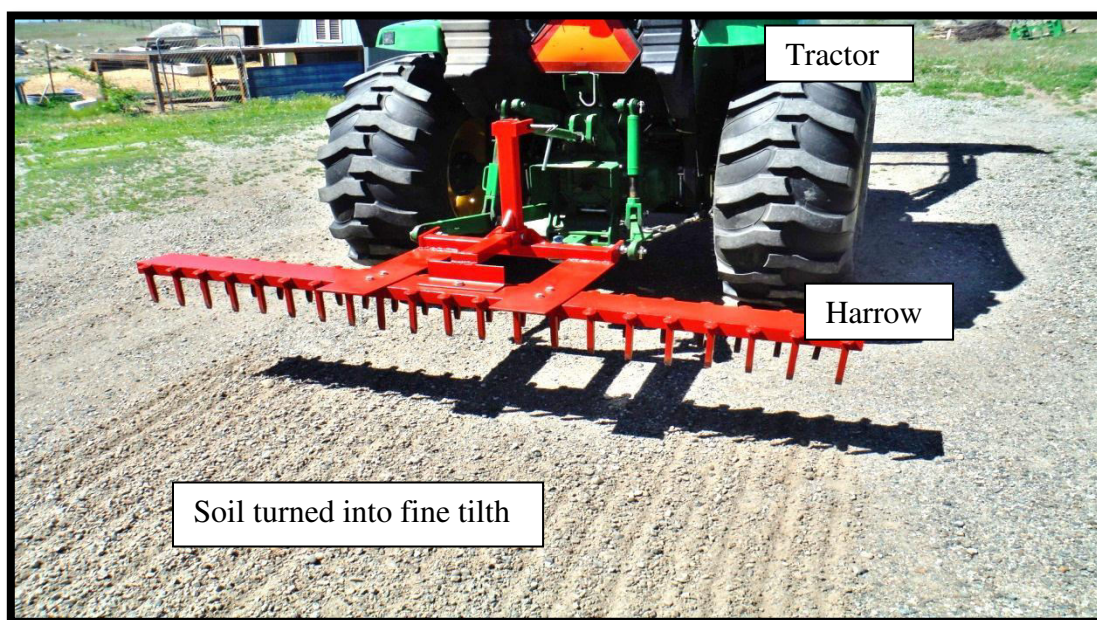
List A	List B
1. Export	A. fertilizers and all chemicals like pesticide, weedicides used on farms
2. Consumers	B. More than one type of species in an area.
3. Agrichemical	C. Used to develop and maintain soil fertility and crop production in garden and farm systems.
4. Monoculture	D. Is the rainwater, which does not sink into the soil, but flows away over the surface into streams or rivers.
5. Diversity	E. Selling goods and services to other countries
6. Biological control	F. timetable for a program or project
7. IPM	G. People who are the final users of products or services.
8. Cultivation	H. Is an environmentally sensitive approach to pest management.
9. Run-off	I. The control of a pest by the introduction of a natural enemy or predator.
10. Schedule	J. Production of only one product from the whole farm.

QUESTION 2

[10 MARKS]

- a) Differentiate between soil erosion and soil water run-off. [2marks]
- b) Describe **one** positive effect of cultivation on soil. [1 mark]
- c) To grow a crop, the land has to be cultivated. State **two** cultivation practices used in Fiji farms. [2 marks]
- d) Explain **one** disadvantage of high rainfall on the soil. [2 marks]

The diagram below shows one of the cultivation practices used in farms.



Source: <https://www.google.com/search?q=tractor+and+harrow&tbm>

- e) State **one** importance of carrying out the above cultivation practice. [2 marks]
- f) Explain **one** way a farmer can reduce the clod size of the soil manually. [1 mark]

QUESTION 1

During an agricultural class, the students were encouraged to practice better cropping and livestock practices. **Integrated control of pest, weeds and diseases are examples of these practices.**

With reference to the above statement; **discuss:**

- The importance of **integrated control**
- **Two** advantages of integrated pest management and
- **Two** advantages of integrated disease management.

QUESTION 2

Farm implements are expensive and not all farmers can purchase them.

In order for farm implements to be in use for a longer period of time proper care is needed.



Discuss **five** storage procedures a farmer can undertake while storing his farm implements.

THE END

NAME : _____

YEAR: _____

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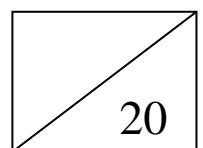
ANSWER BOOKLET

SECTION A**MULTIPLE CHOICE QUESTIONS****[20 MARKS]**

*Circle the letter which represents the **best** answer.*

1	A	B	C	D
2	A	B	C	D
3	A	B	C	D
4	A	B	C	D
5	A	B	C	D
6	A	B	C	D
7	A	B	C	D
8	A	B	C	D
9	A	B	C	D
10	A	B	C	D
11	A	B	C	D
12	A	B	C	D
13	A	B	C	D
14	A	B	C	D
15	A	B	C	D

16	A	B	C	D
17	A	B	C	D
18	A	B	C	D
19	A	B	C	D
20	A	B	C	D

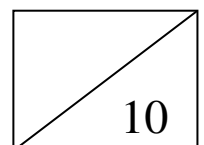


SECTION B**SHORT ANSWER QUESTIONS****[20 MARKS]**

1. Answer **all** the questions.
2. Each question is worth **10 marks**.

QUESTION 1**[10 MARKS]**

List A	List B
1.	
2.	
3.	
4.	
5.	
6.	
7.	
8.	
9.	
10.	



QUESTION 2

[10 MARKS]

a. _____

_____ [2 Marks]

b. _____
_____ [1 mark]

c. Two **cultivation** practices used in Fiji farms.

i. _____
ii. _____
[2 marks]

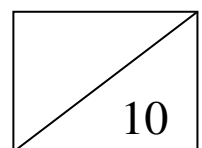
d. _____

_____ [2 marks]

e. _____

_____ [2 marks]

f. _____
_____ [1 mark]



SECTION C

LONG ANSWER QUESTIONS

[10 MARKS]

QUESTION 1

[illegible]

[5 marks]

QUESTION 2

[illegible]

[5 marks]

THE END