For performance Measurement

ZIMBABWE SCHOOL EXAMINATIONS COUNCIL
GRADE SEVEN EXAMINATION, SPECIMEN PAPER.

AGRICULTURE, SCIENCE AND TECHNOLOGY 703/2
PAPER 2

SPECIMEN PAPER

Time: 1 hour 30 minutes

Section A
Answer **all** questions.

Write your answers in the spaces provided on the question paper.

Section B
 Answer any **two** questions.

Write your answers in the spaces provided on the question paper.

Section C
Answer any **two** questions.

Write your answers in the spaces provided on the question paper

Section D
Answer any **one** question.

Write your answers in the spaces provided on the question paper.

FOR EXAMINER'S USE	
Section A	
1	
2	
3	
4	
5	
Section B	
Section C	
Section D	
TOTAL	

This question paper consists of 11 printed pages and 1 blank page.

SECTION A

Answer **all** questions in this section in the spaces provided on the question paper.

1   **(a)**   State any **one** reason for a family to keep cattle.

_____   [1]

(b)   The branch of Agriculture that deals with the care and maintenance of farm machinery is called

_____   [1]

(c)   Name any **one** career which is based on animal production.

_____   [1]

(d)   Describe mixed farming.

_____

_____   [1]

(e)   Explain any **one** advantage of mixed farming.

_____   [1]

2   **(a)**   The daily state of the atmosphere at a given place at a specific time is called

_____   [1]

(b)   State the reason why wheat is grown during winter.

_____   [1]

(c) The diagram shows the map of Zimbabwe.

X
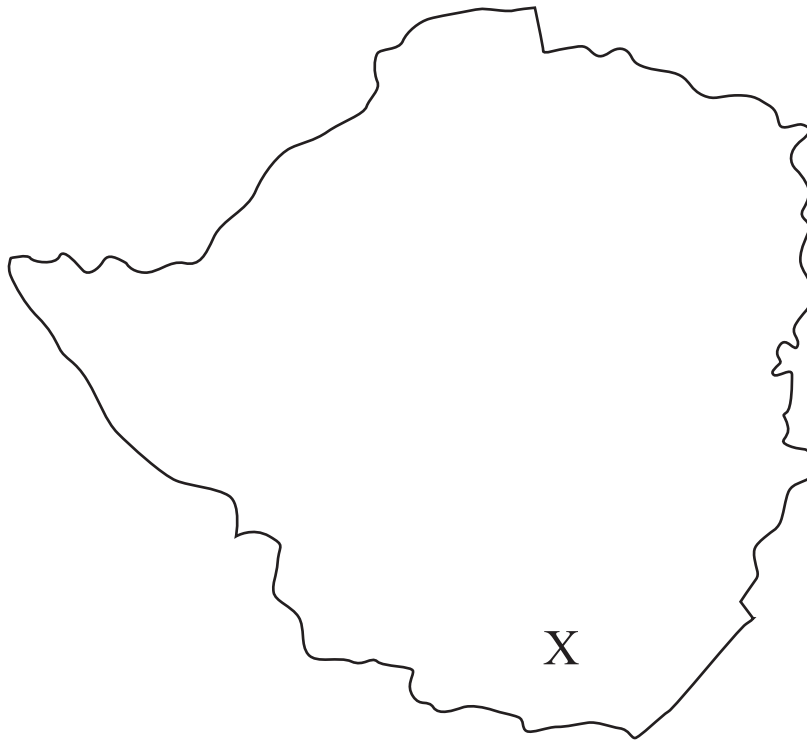
(i) Name the natural farming region of area **X**.

_____ [1]

(ii) Describe **one** climatic condition in the area marked **X**.

_____ [1]

(iii) Describe **one** agricultural activity carried out in area **X**.

_____ [1]

3 **(a)** The Table shows a sales record

costs	sales
$1450-00	$1410-00

(i) Indicate whether the farmer made a profit or loss.

_____ [1]

(ii) Find the difference between costs and sales.

_____

_____ [1]

(b) Give any **one** input item recorded in an input record at a poultry enterprise.

_____ [1]

(c) **(i)** Describe any **one** content topic of an enterprise budget.

_____

_____ [1]

(ii) State **one** input item found in a garden enterprise.

_____ [1]

4 **(a)** State any **one** cause of diarrhoea.

_____ [1]

(b) Describe **one** way of preventing the spread of diarrhoea.

_____ [1]

(c) Give **one** reason why water used for the preparation of oral rehydration solution (ORS) must be boiled.

_____ [1]

(d) Define epidemic diseases.

_____ [1]

(e) Describe **one** way of controlling epidemic diseases.

_____

_____ [1]

5   **(a)**   Give an example of a search engine.

_____   [1]

(b)   Describe how internet assists a learner.

_____   [1]

(c)   Name **one** form of information from the internet.

_____   [1]

(d)   State an example of bad content which may be found on the internet.

_____

_____   [1]

(e)   One way of ensuring security when online is

_____

_____   [1]

[Turnover

SECTION B

Answer any **two** questions from this section in the spaces provided.

6　**(a)**　**(i)**　Mr Bell wants to spray his cotton field.
State **one** precaution he should take before handling the chemical.

_____ [1]

　　　(ii)　Explain why it is dangerous to spray agrochemicals on a windy day.

_____ [1]

　　　(iii)　Give any **one** activity that farmers should avoid when handling chemicals.

_____ [1]

　(b)　Mrs Pett has just bought agrochemicals.
Describe the proper place to store them.

_____

_____ [1]

　(c)　State **one** safe way of disposing plastic agrochemical containers.

_____ [1]

7　**(a)**　State any material which is needed to construct a bee hive.

_____ [1]

　(b)　Describe how a bee farmer can protect herself/himself when harvesting honey.

_____

_____ [1]

　(c)　Mrs Dube sold 15 bottles of honey at $5 per bottle.
Calculate the total amount she got.

_____

_____ [1]

　(d)　State **one** way of processing honey.

_____ [1]

(e) Describe a suitable site for placing a bee hive.

_____

_____ [1]

8 **(a)** The diagram shows a nutrient deficiency symptom on a sheep.

    (i) State the nutrient that is needed to treat the sheep's condition.

    _____ [1]

    (ii) The sheep also shows poor growth and develops a pot belly. State the nutrient that is lacking.

    _____ [1]

(b) Intensive farming is a system of keeping animals on a small piece of land using large amounts of money and inputs. Give one advantage of an intensive farming system.

_____

_____ [1]

(c) State **one** internal parasite that affects poultry.

_____ [1]

(d) Explain how keeping elephants is beneficial to the nation.

_____

_____ [1]

[Turnover

For Examiner's Use

SECTION C

Answer any **two** questions from this section in the spaces provided.

9   **(a)**   Describe how plants take water and nutrients from the soil.

_____

_____   [1]

(b)   State **one** main nutrient stored in root tubers.

_____   [1]

(c)   State **one** agent of pollination.

_____   [1]

(d)   Name **one** way of plant reproduction.

_____   [1]

(e)   Name the process used by plants to make their own food.

_____   [1]

10   **(a)**   **(i)**   Define the term vertebrate.

_____

_____   [1]

(ii)   Name the class of vertebrates that maintains a constant body temperature.

_____   [1]

(iii)   State another characteristic of the class of vertebrates named in **(a)(ii).**

_____   [1]

(b)   State the habitat of a fish.

_____   [1]

(c)   The animals that feed on both plants and other animals are called

_____   [1]

11 **(a)** The diagram shows the respiratory system of a human being.
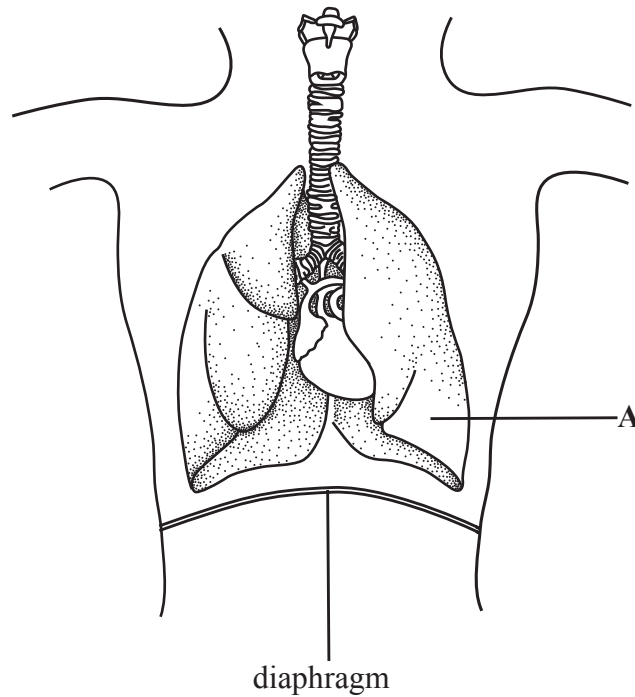
diaphragm

(i) Name the part labelled **A**.

_____ [1]

(ii) Describe what happens to the diaphragm when a person breathes in.

_____

_____ [1]

(b) State the part of the body which is used for pumping blood around the body.

_____ [1]

(c) State **one** waste product that is carried by blood in the body.

_____ [1]

(d) Describe the function of veins.

_____

_____ [1]

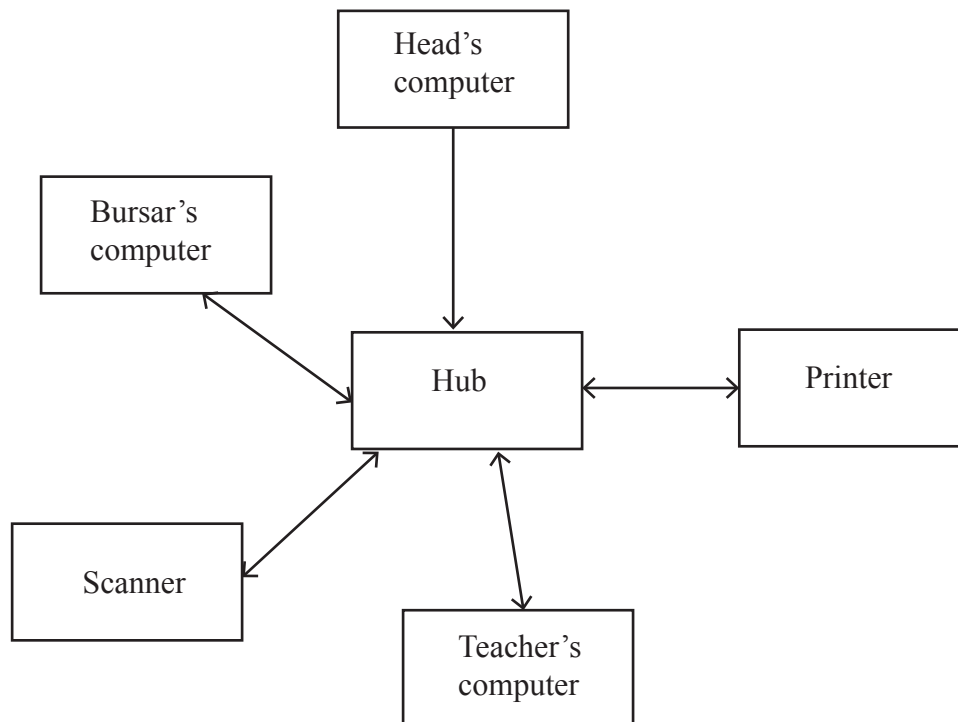**[Turnover**

SECTION D

Answer any **one** question from this section in the spaces provided.

12   **(a)**   A computer program is a set of instructions used by a computer
to do a given task. The instructions tell a computer what to do.
An ICT personnel whose role is to write computer programs is
called

_____   [1]

(b)   This is a program to instruct a computer to draw a 10 cm line using
a pencil:

1. start
2. drag pencil 10 cm to the left
3. stop
State the outcome if the second instruction above is changed to:
drag pencil 5 cm to the right

_____   [1]

(c)   Below is a program to instruct a computer to draw a shape.
1. start
2. drag pencil 8 cm to the right
3. turn 90°
4. drag 8 cm up
5. turn 90°
6. drag 8 cm to the left
7. turn 90°
8. drag pencil 8 cm down
9. stop
Name the shape drawn.

_____   [1]

(d)   Give an example of a programming language.

_____   [1]

(e)   Name **one** example of a programmable device used for entertainment.

_____   [1]

13 **(a)** The diagram shows a computer network installed at a certain school.

```
                    ┌──────────┐
                    │  Head's  │
                    │ computer │
                    └────┬─────┘
┌──────────┐             │
│ Bursar's │             ▼
│ computer │         ┌───────┐         ┌─────────┐
└────┬─────┘         │  Hub  │◄───────►│ Printer │
     ▲  ▲            └───┬───┘         └─────────┘
       ▲           ▲     │
┌──────┴───┐             ▼
│ Scanner  │         ┌──────────┐
└──────────┘         │Teacher's │
                     │ computer │
                     └──────────┘
```

(i) State the type of network shown above.

_____ [1]

(ii) Identify an output device from the above diagram.

_____ [1]

(b) One advantage of using networked computers is

_____

_____ [1]

(c) One way of protecting files from hackers is

_____ [1]

(d) Name any network component for the network shown above.

_____ [1]

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