

**Science and Elementary
Technology
PSET**
03/ 07 /2025
09: 00 AM - 11: 00 AM



Pupil's complete index number							
Province/ City	District	Sector	School	Level	Pupil	Year	
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Pupil's names
Surname:.....

Other names:.....

NB: PUPIL'S INDEX NUMBER AND NAMES
MUST BE WRITTEN AS THEY APPEAR ON THE
REGISTRATION FORM

PRIMARY LEAVING NATIONAL EXAMINATIONS, 2024-2025
SCIENCE AND ELEMENTARY TECHNOLOGY

Duration: Two hours

Marks: /100

Instructions to candidates:

- 1) Do not open this question paper until you are told to do so.
- 2) This paper has **one section**.
- 3) All questions are compulsory and must be answered as instructed.
- 4) Read each question carefully before answering it.
- 5) Answer the questions in the space provided in this question paper.
- 6) You must use **a blue or black** pen and a pencil for drawing.

Attempt ALL questions.

1) Select and circle a tool that is used for transport on a farm. **(1 mark)**

- A) A wheel barrow.
- B) A file
- C) A spraying pump
- D) A hoe

2) Choose and circle two (2) ways of maintaining mechanical tools. **(2 marks)**

- A) Cleaning them.
- B) Heating them.
- C) Oiling /greasing.
- D) Washing them.
- E) Keeping them in a tool box.

3) State the use of the following carpentry tools: **(2 marks)**

- a) A meter ruler.....
.....
- b) A wood saw.....
.....

4) State whether the following statements are **True** or **False**. **(2 marks)**

- a) A blacksmith uses a hammer to shape metal.....
- b) A simple machine uses a single applied force to do work against single load.....

5) Complete the table below with the following tools: **(3 marks)**

Brace wood saw plane.

Cutting tools	Drilling tools	Smoothing tools

(2 marks)

6) Choose and circle the correct answer.

Fruits are produced from.....

- A) Roots
- B) Leaves
- C) stem
- D) flower

(1 mark)

7) Why do most flowers have scent?

.....
.....
.....

(3 marks)

8) Match the plants below with the part we eat.

Plant

- a) Carrots
- b) Pawpaw
- c) Broccoli

Part we eat.

- i) Fruits
- ii) flowers
- iii) roots

(1 mark)

9) Complete the following sentence:

The process by which plants lose water into the atmosphere through the leaves is known as

.....

(2 marks)

10) Writing skills can be defined as

- A) Computer hardware.
- B) Skills which help you to type data.
- C) Processed data.
- D) Skills used in paint activity.

(2 marks)

11) State whether the statements below are **True** or **False**.

a) A computer requires programs to function.....

b) Scratch and Turtle art are two popular programming languages for
kids.....

12) Complete the phrases below by using the options in the table.

(2 marks)

Delete the row	Colouring the text
Underline text	Insert the column

a)for underlining a word or a sentence.

b)for changing the colour of the text.

13) Complete with: internet, computer, monitor

(2 marks)

i) Electronic device that accepts, process, organises and stores data is known as.....

ii) A large group of computers connected to each other is.....

14) Arrange the following ways of saving a document:

(2 marks)

- A) Click on “save as”.
- B) Click on a file.
- C) Click on desktop and name document.
- D) Click on save.

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15) Why should people learn scratch activity?

(1 mark)

.....
.....

16) Which of the following tools can be used if you want to make motorcycle using wires?

(2 marks)

- A) Wood
- B) knife
- C) Screw driver
- D) Pliers

17) State any safety precautions to take while using tools and materials.

(2 marks)

.....
.....

18) Match the following materials with the tools named below.

(2 marks)

a) Wires	i) Socks
b) Manila paper	ii) a toy bicycle
c) Thread	iii) a ball
d) Banana fibre	iv) Polygones

19) Choose the best alternative from the brackets to fill the gap.

(2 marks)

Learning materials help in (trading activities, teaching activities).

20) Select the best definition of sound.

(2 marks)

- A) Is the air in motion
- B) Energy which enables us to see.
- C) Energy which enables us to hear.
- D) Energy which enables us to move.

21) State whether the statements below are **True** or **False**.

(2 marks)

- a) Oxygen supports the burning of wood.....
- b) Trees provide oxygen.....

22) Annet is preparing tea in an aluminium kettle, identify any changes observed during that boiling process.

(2 marks)

.....
.....

23) Choose the best alternative from the brackets to fill the gaps.

(2 marks)

Air pollution is most common in..... (Villages, Cities)

24) Why is it not advisable to stay in a closed room with a burning charcoal stove? (1 mark)

.....
.....
.....

25) The District of Gakenke is hilly. How do farmers in Gakenke overcome the problem of soil erosion? (2 marks)

.....
.....

26) Match the following types of soil with their uses. (3 marks)

Types	Uses
a) Clay soil	i) Good for crops
b) Sand soil	ii) Modeling pots
c) Loam soil	iii) Making bricks

27) State whether the following statements are **True** or **False**. (2 marks)

a) Too much fertilizers can destroy the soil.....
b) Organic fertilizers stay longer in the soil.....

28) Match the following wastes with their sources. (3 marks)

Waste	Source
a) Used engine oil	i) Agricultural waste
b) Raw sewage	ii) Waste from automobiles.
c) Plant remains	iii) Industrial waste

29) Study the following alternatives and underline those which can cause poultry diseases. (2 marks)

i) Poor hygiene.
ii) Giving them balanced diet.
iii) Lack of enough food.
iv) Vaccinating chickens.

30) Choose and circle the correct answer.

(2 marks)

..... is a mammal

- A) Frog
- B) Dog
- C) snake
- D) fish

31) The grouping of animals according to their common characteristics is called.....

(2 marks)

- A) Culling.
- B) Classification.
- C) Hopping.
- D) Cannibalism.

32) State whether the following statements are **True** or **False**.

(2 marks)

- a) Coccidiosis is an infectious disease of chicken.....
- b) Incubation takes 21 days.....

33) Select and circle two problems faced by farmers in Rwanda.

(2 marks)

- A) Lack of enough pasture
- B) People do not like meat
- C) Parasites and diseases
- D) Our culture doesn't promote cattle farming.

34) State whether each of the statements below is **True** or **False**.

(2 marks)

- a) Tongue enables us to balance our body.....
- b) Retina is the outer layer of the eye.....

35) Choose and circle the correct answer.

(2 marks)

..... muscles is on the front of the upper arm

- A) biceps
- B) triceps
- C) Involuntary
- D) none of these

36) Choose the process which takes place in the mouth during digestion. **(2 marks)**

- A) Elimination.
- B) Ingestion.
- C) Absorption.
- D) Egestion

37) Match the deficiency diseases with their causes. **(3 marks)**

Deficiency diseases	Causes
a) Marasmus	i) Lack of iodine in diet.
b) Rickets	ii) Lack of enough food.
c) Goitre	iii) Lack of vitamin D calcium.

38) Complete the following sentences using the words below. **(2 marks)**

Lungs, Diaphragm, Bronchioles.

- a) The separate chest cavity from abdomen.
- b) is where gaseous exchange takes place in the body.

39) Classify the foods given below according to their groups. **(2 marks)**

Maize, oranges, Beans,

Carbohydrates	proteins	vitamins

40) As an adolescent boy or girl in P6, what are some responsible behavior can you take to make right decisions concerning your life. **(2 marks)**

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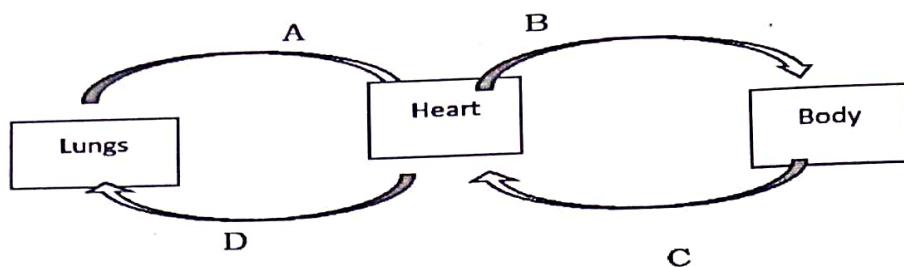
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41) The diagram below shows the circulatory system. (2 marks)

Name the blood vessels marked **A**, **B**, **C** and **D**.



A.....

B.....

C.....

D.....

42) Explain how you can properly maintain the respiratory system. (2 marks)

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.....

43) How should a Primary 6 learner avoid early pregnancy? (2 marks)

.....
.....

44) Arrange the following in order of occurrence. (2 marks)

Foetus_Zygote_baby_embryo.

.....
.....

45) Classify with a Tick (✓) the materials in the column given below. (2 marks)

Material	Non-metal	Metal
Glass		
Nail		
Coin		
Wooden spoon		

46) State whether the following statements are **True or False.** **(2 marks)**

- a) Electrician wears gloves to prevent electric shock.....
- b) The switch is used to open and close the circuit.....

47) Choose and circle the correct answer. **(2 marks)**

47) Choose and circle the correct answer. **(2 marks)**

Solar panels change sunlight into.....form of energy.

A) heat

B) sound

C) chemical

D) electrical

48) Choose the best alternative from the brackets to fill the gaps. **(2 marks)**

..... is the boiling point of water while.....is the melting

point of ice. (0^oC, 100^oC).

49) Match the parts of the simple electric circuit with their roles. **(2 marks)**

Parts

- a) Dry cell
- b) Bulb
- c) Wire
- d) Switch

Roles

- i) break and complete the circuit
- ii) transmit electric current.
- iii) produce energy.
- iv) converts electrical energy into light energy.

50) Draw a magnet and label the two poles. **(2 marks)**

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