

THE Sipro Primary Seven Integrated Science Pre - PLE SET I - MARKING GUIDE

CORRECT RESPONSE		WRONG ANSWER
CLASS LEVEL		
P.3	To prevent a bad breath / Prevent a bad mouth odour / To prevent tooth decay / Prevent tooth diseases / To remove food remains.	To prevent pain. Reacts to touch.
P.7	Helps us to see and identify objects / Helps in operation of optical instruments / Helps to increase light intensity / Helps in seeing ourselves in mirrors.	Helps eyes to function.
P.8	Through bites of infected female anopheles mosquitoes / Through mosquito bites (anopheles mosquito bites).	Through mosquito bites.
P.5	To control egg eating / To prevent easy identification of eggs by poultry.	To be safe.
P.6	Drug abuse is the harmful way of using drugs while drug misuse is the use of drugs without following prescriptions.	Drug abuse is the wrong way of using drugs while drug misuse is the harmful way of using drugs.
P.5	Bacteria cause cattle diseases like Pneumonia / Bacteria make milk go bad.	Bacteria make food to rot.
P.5	Painting prevents rusting of garden tools / Paint prevents contact of the tools with water and oxygen.	Painting promotes proper working of tools.
P.4/P.5	To keep the broken arm in one position / To support the broken arm.	To prevent further injuries.
P.5	Mushrooms lack chlorophyll to trap sunlight energy.	Mushrooms don't have leaves.
P.6	By limiting movement of infected cattle / By enforcing quarantine / By isolating infected cattle from healthy ones.	By vaccinating cattle.
P.6	Pipe marked W has a smaller vibrating space compared to pipe marked M.	Pipe marked W has a smaller vibrating space.
P.4	A pawpaw plant is a mono - sexual plant / A pawpaw plant has the stamen and pistil on different plants / It's single sexed.	A pawpaw plant does not have leaves.

13	P.5	Radiation	Convection
14	P.6	A whale has the blubber to prevent heat loss from the body.	A whale uses lungs for breathing/It is warm blooded.
15	P.7	Both the skin and the kidney remove nitrogenous wastes from the body/ Both remove excess water or mineral salts from the body/Both excrete wastes.	Both regulate salt/Both regulate body temperature.
16	P.7	Shoulder/Hip	Knee/elbow/wrist/knuckles/ankle
17	P.7	Friction helps in cutting meat/Helps in sharpening the panga/tool.	Friction helps in movement.
18	P.5	For measuring weight of objects/For measuring mass of objects.	For measuring objects.
19	P.4	To increase crop harvests/yields/To allow proper usage of land.	To get more seedlings.
20	P.4	Citrus fruits provide vitamin C which controls scurvy.	Citrus fruits prevent bleeding gums.
21	P.5	A leaf is less dense than water/A leaf's density is less than that of water/ Water is denser than wood.	A leaf is denser than water.
22	P.5	A stone is denser than water/A stone's density is greater than that of water.	A stone is more dense than water.
23	P.3	Through sexual intercourse with an infected person.	Through sharing sharp piecing objects.
24	P.5	Gaseous state/Gas	Solid/liquid
25	P.4	Lungs	The heart.
26	P.5	After recovering from a disease/an infection/After feeding on a balanced diet /From mother to baby through placenta.	After getting vaccines.
27	P.6	Paraffin/Kerosene	Diesel
28	P.6	Amphibians	Reptiles •
29	P.7	To allow flow of electric current/To allow proper flow of current.	To enable the bulb give light.
			Easier

26	P.5	After recovering from a disease/an infection/After feeding on a balanced diet /From mother to baby through placenta.	After getting vaccines.	Ways of acquiring natural immunity.
27	P.6	Paraffin/Kerosene	Diesel	Correct petroleum products.
28	P.6	Amphibians	Reptiles	Correct name.
29	P.7	To allow flow of electric current/To allow proper flow of current.	To enable the bulb give light.	Easing the flow.

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30	P.7	Birds and fish have a streamlined body to overcome viscosity friction.	They have scales.	How birds and fish overcome friction.
31	P.7			Correct direction of the reflected ray.
32	P.7	Film	Film/shutter/diaphragm	Correct spelling.
33	P.6	Book lungs/Lungbooks	Spiracles	Breathing structures in most arachnids.
34	P.6	Sand cuts off oxygen supply to the fire/ Stopped the burning engine from getting (receiving) oxygen that supports burning.	Sand stops the fire.	Explain how sand prevents burning by putting out fire.
35	P.6	To prevent drug misuse/To prevent taking an overdose/taking an underdose/for quick recovery.	To be healthy/prevent drug abuse.	Prevention
36	P.7	Let the distance be d. L x LA = L x LA 20 x d = 40 x 4 metres $\frac{20d}{20} = \frac{160}{20}$ d = 8 metres,	$\begin{aligned}10 \\ \cancel{40} \times 20 \\ 1 \\ = 10 \times 20 \\ = 200 \text{ metres.}\end{aligned}$	Correct calculation.
37	P.5	To train learners proper farming skills/To enable the school get food/ To train learners economic activities/To allow conservation of plants/For practical learning on agriculture.	To study well.	Correct interpretation.
38	P.6	Frequent births lead to maternal anaemia /weaken the body.	Frequent births make a woman produce every year.	Loss of blood.
39	P.4	They store food for an onion.	For making food for an onion.	Use of fleshy onion.
40	P.5	It grows into the shoot system.	It grows into a new plant root.	Growth in plants.

leaf is less dense than water/A leaf's density is less than that of water/Water is denser than wood.

Citrus fruits prevent scurvy/Citrus fruits prevent bleeding

Correct quantity of seedlings.

Vitamin C which is denoted.

Citrus fruits prevent scurvy/Citrus fruits prevent bleeding

Correct measurements.

A leaf is denser than wood.

A leaf is denser than wood.

Food value.

leaf is less dense than water/A leaf's density is less than that of water/Water is denser than wood.

Citrus fruits prevent scurvy/Citrus fruits prevent bleeding

Correct reasons.

a) (i) diaphragm
(ii) epiglottis

(i) chest cavity
(ii) pharynx

Correct part.

b) It reduces contact between the lungs and the ribs/Reduces friction between the lungs and ribs.

It prevents friction.

Correct importance.

c) Influenza/Pneumonia/Severe Acute Respiratory Syndrome/SARS

An energy resource is anything that provides people with useful energy.

Correct definition.

a) An energy resource is anything that provides people with useful energy.

b) Sun's heat dries harvests/Dries clothes /Is used to generate solar electricity.

Uses of the sun as energy resource.

c) Sun's heat dries pasture on which wild animals feed/Dries water bodies that provide them with water.

Helps plants during photosynthesis.

Dangers of the sun to animals.

a) Nursery bed

Whooping cough

Viral respiratory infection.

b) To absorb sun's heat,

It destroys their eyes.

Correct name.

c) To protect them from heavy rainfall/ Too much sunshine/For easy control of pests/ To make seedling selection easy,

Seed bed

Absorption of sun.

(i) switch
(ii) ammeter
(iii) dry cell
(iv) electric bulb

To protect seedlings.

Importance of a seed bed.

P.7
(i) switch
(ii) ammeter
(iii) dry cell
(iv) electric bulb

To be safe.

Naming correct switches.

P.5
a) They help in proper blood circulation/ They help in proper functioning of the body organs/They help in strengthening bones and muscles.

(i) dry cell
(ii) electric bulb
(iii) bulb
(iv) ammeter

They help in doing work.

Importance of physical exercises.

b) To pump more oxygenated blood to the muscles.

To pump blood.

Pumping oxygenated blood.

c) A stain/A sprain/A fracture.

Scald/burn

Accidents that affect health.

P.3
a) The youths are ignorant and are easily lied/The youths are so interested in having sex/The youths can easily be deceived/ Many youths are initiated into some cultural practices which shed blood.

To pump blood.

Reasons why the youths usually affected by HIV/AIDS.

b) Abstain from sex/AIDS kills/Avoid bad touches/Avoid lonely movements at night /Refuse gifts from strangers/ Refuse lifts from strangers.

AIDS is caused by a virus.

PIASCY message.

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/Refuse gifts from strangers,

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TOPIC	QUESTION	ANSWER	Ways dysentery enter the body
P.4	a) Through drinking contaminated water/ Eating unwashed fruits/Eating contaminated food/Eating food with dirty hands.	Through poor sanitation.	
	b) Washing hands before eating/ Eating food on clean plates/Boiling drinking water/Covering leftover food/Proper use of toilets.	Regular deworming.	Control of the dysentery.
P.4	a) Both spread germs through bites. b) In stagnant water/still water.	Both spread diseases.	Correct simili
	c) By regular vaccination of dogs/ Keeping dogs inside kennels during day time/By keeping away from dogs/ By killing rabid dogs.	In the bushes.	Correct bree
P.5	a) Box beehive/Top bar hive. * b) To repair leaking hives/To build honey combs/To nurse the queen bee /To fan the hive/To clean the hive/To defend the hive from enemies.	Kigezi beehive To collect nectar.	Control of the rabies.
P.4	a) Californian/Angora/Chinchilla/ New Zealand White/Rex	Angola/California	A modern bee
	b) Rabbits produce more young ones than cattle/Rabbits mature faster than cattle/Rabbits occupy a smaller space than cattle/Rabbits are easier to take care of than cattle.	Rabbits produce many kitten.	Role of a wolf hive.
P.7	a) Poor methods of farming/Poor infertile soil/Harsh weather conditions/Pests and diseases of crops/ Floods/Earthquake/ Ignorance about farming/Negative attitude towards farming/Poverty/ Laziness of community members.	Lack of food/Not eating a balanced diet.	Causes of redin

		b) By carrying out subsistence farming/ By preserving food/Keeping food for future use/By teaching farmers better farming skills/Encouraging people to work/Carrying out weather forecasting/ Using irrigation in drought.	By eating little food.	Conti suppl
52	P.5/3	a) Soil erosion is the gradual removal of top soil to other areas. b) The land/soil is exposed to agents of soil erosion/Due to exposure to erosion agents/The land is bare. c) Terracing/strip cropping/Contour ploughing/Agroforestry	Soil erosion is the loss of soil fertility. The soil is empty.	Soil Conti hilly
53	P.5	a) Evaporation/freezing b) The physical changes above are reversible while rusting is irreversible/ The physical changes above don't form any new substance while rusting forms a new substance. c) Fertilisation/Conception	Condensation They are reversible.	Phys press Com
54	P.6	a) They have an exoskeleton/Lack a backbone (spine)/Have jointed legs/They undergo internal fertilization/They molt to grow big. b) Crustaceans c) They harbour termites that destroy crops.	Reproduction/Implantation They reproduce by external fertilization.	Biol ovid Genet arthr
55	P.4	a).(i) air pressure (ii) Sunshine b) For sted areas have trees that act as windbreaks to alter the actual speed of wind. c) By keeping it in a Stevenson screen.	(i) Barometer (ii) Sunshine recorder Forested areas have no wind. By washing it.	Corri elem Corri Care baro