

PRIMARY LEAVING EXAMINATIONS MARKING GUIDE FOR INTEGRATED SCIENCE 2023.

Prepared by the teachers of Integrated Science in 21st Century Forum (Platform)

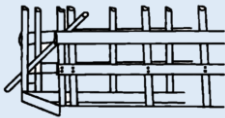
SECTION A: 40 MARKS

No	Question	Correct Answer(s) /Response	Competence Tested	Theme	Topic	Class	Level
1.	Name the type of teeth that develops last in human beings.	Molars// Molar teeth	The learner names the type of teeth that develops last in human beings.	The Human Body	The teeth	P.4	C
2.	Give any one way in which timely weeding of crops helps to control crop diseases.	Timely weeding breaks the life cycle of crop pests//Timely weeding eases management of crop diseases by spraying// Timely weeding gives crops more strength to fight diseases.	The learner gives the way in which timely weeding of crops helps to control crop diseases.	Science in Human Activities and Occupations	Crop growing	P.4	A
3.	Give one element of weather which helps plants to make their own food.	Sunshine// Rainfall	The learner gives one element of weather that helps plants to make their own food.	Our environment	Weather around us	P.4	C
4.	State the purpose of pressing the belly of a casualty of near drowning.	To remove water from the lungs// To expel water from the lungs// To draw water out of the lungs// To force water out of the lungs.	The learner states the purpose of pressing the belly of a casualty of near drowning.	Human Health	Accidents and First Aid	P.6	C
5.	Give any one reason why fish are able to live in water.	Fish have gills for breathing in water// Fish breathe in dissolved oxygen in water.	The learner gives the reason why fish are able to live in water.	The World of Living things	Classification of Animals	P.6	C

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6.	<p>The diagram below shows a structure in a cattle farm. Study and use it to answer questions 6 and 7.</p>  <p>Mention any one farm activity carried out in the above structure.</p>	<p>Deticking //Spraying// Deworming// Artificial insemination// Drenching//Branding// Dehorning // Dusting// Ear tagging // Ear notching// tail bobbing //Tattooing//Hoof trimming//Hand dressing</p>	<p>The learner mentions any one farm activity that is carried out in the shown farm structure.</p>	<p>Science in Human Activities and Occupations</p>	<p>Keeping Cattle</p>	<p>P.6</p>	<p>C</p>
7.	<p>How is the above farm structure useful when carrying out the farm activity you have mentioned above.</p>	<p>Restricts animal movement during a farm operation// Keeps the animal in one position during an operation// Prevents the animal from escaping during an operation.</p>	<p>The learner gives a way how the farm structure drawn shown is useful when carrying out farm activity mentioned</p>				
8.	<p>Name the excretory organ that removes water and carbon dioxide from the human body.</p>	<p>Lungs// The human lungs</p>	<p>The learner names the excretory organ that removes water and carbon dioxide from the human body.</p>	<p>Human Body</p>	<p>The Excretory System</p>	<p>P.7</p>	<p>K</p>
9.	<p>Mention any one similarity between fungi and animals in the way they feed.</p>	<p>Both fungi and animals feed on ready made food// Both fungi and animals feed on other organisms//Both cannot make their own food.</p>	<p>The learner mentions the similarity between fungi and animals in terms of feeding.</p>	<p>The World of Living things</p>	<p>Bacteria and Fungi</p>	<p>P.5</p>	<p>C</p>
10.	<p>State one way in which the screen on the pipe of a VIP latrine helps to control diarrhoeal diseases.</p>	<p>The screen traps and kills houseflies// The screen traps and kills houseflies that would spread diarrhoeal diseases to humans.</p>	<p>The learner states the way the screen on the pipe of a VIP latrine</p>	<p>Human Health</p>	<p>Sanitation</p>	<p>P6</p>	<p>C</p>

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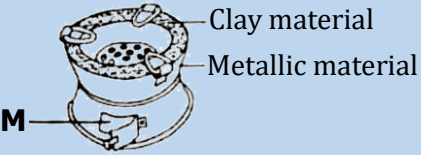
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			helps to control diarrhoeal diseases				
11.	State any one piece of advice you can give to children to help them to prevent indigestion.	Advising children to chew food properly before swallowing//To eat the right amount of food//To avoid overeating/eating too much//To cook food properly before eating.	The learner states a piece of advice that you can give to children to help them to prevent constipation.	Human Body	The Digestive System	P.5	A
12.	State any one way in which you can safeguard yourself against smoking.	By avoiding bad peer groups//By joining good social clubs//Avoid seductive information about smoking// Engaging in sports during leisure time//Avoid adverts that promote smoking//Learning dangers of smoking.	The learner states a way in which you can safeguard yourself from smoking.	Human Health	Alcohol, Smoking and Drugs in Society	P.6	C
13.	Give the reason why most cooking pans are made of aluminium.	Aluminium is a good conductor of heat//Aluminium is light and does not rust easily.	The learner gives the reason why most cooking pans are made of aluminium.	Matter and Energy	Heat Energy	P.5	C
14.	State one reason why the use of soap makes washing clothes easy.	Soap softens stains on clothes// Soap dissolves stains on clothes// soap softens dirt on clothes for easy washing//Soap loosens stains on clothes.	The learner states the reason why the use of soap makes washing of clothes easy.	science in Human Activities and Occupations	Science at Home and in our Communities	P.6	C
15.	Apart from deforestation, mention any one other human activity that can result into flooding in our environment.	Swamp drainage// Cultivating along water sources // Uncontrolled mining//Construction of buildings in wetlands.	The learner mentions the human activity that results into flooding in our environment.	Managing changes in the environment	Types of changes – Biological, Physical and Chemical.	P.5	C

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16.	Mention any one sign of roundworm infestation in humans.	Diarrhoea//Vomiting//Pale skin //Stunted growth in children // Weight loss// Anaemia	The learner mentions a sign of roundworm infestation in humans.	Human Health	Communicable Intestinal Diseases and worm Infestation	P.4	K
17.	<p>The diagram below shows a metallic charcoal stove. Study and use it to answer questions 17 and 18.</p>  <p>Give the function of the part labelled M.</p>	Part M allows in fresh air// Lets in fresh air//For removing ash// To let in the air that supports burning of charcoal// To allow in the air that supports the burning of charcoal in the stove.	The learner gives the function of the part marked with letter M on the charcoal stove.	Matter and Energy	Heat Energy	P.5	C ↓
18.	State one advantage of building the inner wall of the charcoal stove with clay.	Clay retains heat for a long time//Clay conserves heat for long time//Clay keeps heat for long time	The learner states the advantage of building the inner wall of the charcoal stove with clay.				
19.	State any one disadvantage of people living with domestic animals in the same house.	It leads to spread of external parasites// Leads to competition for oxygen between animals and people// Leads to bad smell in the house// Leads to easy spread of some diseases// Animals destroy household property.	The learner gives an advantage of people living with domestic animals in the same house.	Human Health	Sanitation	P.6	K

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20.	Give any one way in which the use of biogas is helpful in the conservation of environment.	Use of biogas does not pollute the environment// Use of biogas discourages deforestation//Use of biogas reduces cutting down of trees for wood fuel.	The learner gives a way in which use of biogas is helpful in conservation of the environment.	The environment	Energy Resources in the Env't	P.7	C
21.	State the effect of opaque objects on a beam of light.	Opaque objects block beam of light //Opaque objects do not allow light to pass through //Opaque objects obstruct light from passing through them.	The learner states the effect of opaque objects on a beam of light.	Matter and Energy	Light Energy	P.7	C
22.	Apart from making candles, mention any one other way in which bees-wax is useful to people.	Bee-wax is used for making shoe polish//For making wood varnish //For making book binding threads // For making cosmetics//For making chewing gums// For making crayons// For making icecream vessels.	The learner mentions any other way in which bee-wax is useful to people.	Science in Human Activities and Occupations	Keeping Poultry and Bees	P.5	K
23.	State any one reason why farmers are encouraged to preserve food stuffs like sweet potatoes.	To promote food security// For future consumption// To prevent them from rotting// To prevent them from getting spoilt// To keep it for long time	The learner states any reason why farmers are encouraged to preserve food stuffs like sweet potatoes.	Science in Human Activities and Occupations	Crop growing	P.5	C
24.	Name any one force which a pulley overcomes when it is being used.	Friction//Frictional force// Gravity // Force of gravity//Gravitational force//Tension// Tensional force.	The learner names any force which a pulley overcomes when it is being used.	Matter and Energy	Friction and Simple Machines	P.7	K
25.	State one way in which a mask is important in maintaining the proper	A mask prevents dust from entering the lungs//Prevents inhalation of contaminated air with germs.	The learner states a way in which a mask is important in	Human Body	Respiratory System	P.6	C

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	functioning of the respiratory system.	//Prevents airborne diseases //Prevents entry of foreign bodies into the nostrils and lungs.	maintaining proper functioning of the respiratory system.				
26.	Apart from having bright colours, state any one other thing that attracts pollinators to flowers.	Production of scent// Nectar//Pollen	The learner states any one other thing that attracts pollinators apart from having bright colours.	The World of Living things	Plant Life	P.4	K
27.	State any one way of caring for simple garden tools.	By painting them// Oiling the moving parts// Ensuring them perform the right duties// Keeping them in cool dry places// Alloying them// By cleaning them after use.	The learner states any one way of caring for simple garden tools.	Science in Human Activities and Occupations	Crop Growing	P.4	A
28.	State any one way in which the Child Health Card is important to a parent.	Child Health Card reminds the parent for next date for immunisation // It reminds the parents when to take the child for the next dose// It helps the parents to monitor the growth of a child.	The learner state a way in which the Child Health Card is important to a parent.	Human Health	Immunisation	P.5	C
29.	State any one factor that affects the pitch of sound produced by an object.	Size of the vibrating object// Length of the vibrating object// Frequency// Tension of the vibrating surface //Nature of the vibrating object.	The learner states a factor that affects the pitch of sound produced by an object.	Matter and Energy	Sound Energy	P.6	C
30.	Name any one body part that may be checked during a school health parade.	Teeth//Hair//Fingernails//Toenails//Feet//Ears//Nose//Neck.	The learner names any body part that may be checked during a school health parade.	Human Health.	Primary Health Care (PHC).	P.5	K

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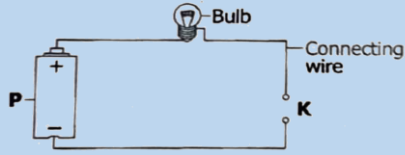
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31.	State any one way in which screws can be important in our daily life.	Screws like car jacks are used to lift vehicles with mechanical problems//Screws like bolts and nuts are used for fastening things together//Screws like vise clamps are used to hold wood pieces together// Screws like spiral staircases are used to ease movement up and down stairs //Screws like drills are used for making holes on wood (timber)	The learner states a way in which screws can be important in our daily life.	Matter and Energy	Friction and Simple Machines	P.7	C
32.	Apart from being a source of food, give the reason why farmers hang green vegetables in poultry houses.	To break boredom in poultry houses//To keep poultry busy// To enable birds to perform physical exercise.	The learner gives a reason why farmers hang green vegetables in poultry house apart from being a source of food.	Science in Human Activities and Occupations	Keeping Poultry and Bees	P.5	C
33.	State any one change in food that shows that food has gone bad.	Bad smell of food// Change in taste//Change in food colour//Bad odour in food//Development of moulds on food.	The learner states a change in food that shows that food has gone bad.	Human Health	Our food	P.4	C
34.	State what would be observed when a plastic pen rubbed in hair is brought close to small pieces of paper.	The plastic pen attracts the pieces of paper// Small pieces of paper will be attracted by a plastic pen // Small pieces of paper will get attracted to the plastic pen//There will be attraction between a plastic pen and small pieces of paper.	The learner states what would be observed when a plastic pen rubbed in hairs is brought close to small pieces of paper.	Matter and Energy	Electricity and Magnetism	P.7	A

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35.	<p>The diagram below represents a simple electric circuit. Study and use it to answer questions 35 and 36.</p>  <p>Give the function of part P in the circuit.</p>	Part P produces electricity// produces electrical energy// Part P changes chemical energy into electrical energy// Part P is a source of electricity.	The learner gives the function of part P in the simple electric circuit drawn.	Matter and Energy	Electricity and Magnetism	P.7	C ↓
36.	Why would the bulb not light when a piece of glass is used to close K ?	Glass does not allow electricity to pass through//Glass is an insulator of electricity// Glass is a poor conductor of electricity// Glass blocks electricity from passing through.	The learner states why the bulb would not light when a piece of glass is used to close K ?				
37.	Mention any one part in the human body where a gliding joint is found.	Wrist//Ankle	The learner mentions a part in the human body where a gliding joint is found.	Human Body	Muscular - Skeletal System	P.7	C
38.	State any one reason why pruning of trees is important in agroforestry.	Pruning reduces the rate of transpiration// Increases output or yields of crops//Reduces hiding places for crop pests// Eases spraying and harvesting// Pruning eases weeding of crops and trees.	The learner states a reason why pruning of trees is important in agroforestry.	The environment	Interdependence of thing in the environment.	P.7	C

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39.	Write down one activity that a School Environment Club can do to protect a school water source.	Fencing open water sources in a school // Slashing tall grasses around the school water source // Enforcing strict laws against water pollution in a school // Sensitizing people to ensure proper disposal of wastes // Digging trenches to prevent still water around the water source.	The learner writes an activity that a School Environment Club can do to protect a school water source.	Human Health.	Primary Health Care (PHC)	P.5	A
40.	State one reason why a person suffering from HIV/AIDS is easily attacked by many other diseases.	HIV/AIDS weakens the body immune system // HIV attacks white blood cells that defend the body against diseases // HIV destroys white blood cells which help the body to resist diseases.	The learner states a reason why a person suffering from HIV/AIDS is easily attacked by many other diseases.	The Human Body	Circulatory System	P.6	C

SECTION B: 60 MARKS

Questions 41 to 55 carry four marks each.

41.	(a) State any two effects of rusting on iron sheets.	Rusting weakens iron sheets // It changes the normal colour of iron sheets // It leads to corrosion of iron sheets // Reduces the strength of iron sheets // Leads to wearing of iron sheets // Causes holes on iron sheets.	The learner states effects of rusting on iron sheets	Managing Changes in the environment	Types of Changes – Biological, Physical and Chemical Changes.	P.5	A ↓
	(b) Identify any two ways in which people protect iron sheets from rusting.	By painting the iron sheets // Galvanizing iron sheets // By alloying them using stainless steel // By keeping them in cool dry places.	The learner identifies ways in which people protect iron sheets from rusting.	Managing changes in the environment	Types of changes in the environment		

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42.

The table below shows an example of a farm record. Study and use it to answer the questions that follow.

Date	Health problem	Animal(s) affected	Treatment/control method	Cost of treatment
01/8/2023	Mastitis	Goats No. 4 and No. 8	Antibiotics	17,000/=
12/10/2023	Worm infestation	Kids (06)	Dewormers	25,000/=
03/11/2023	Anthrax	All goats	Vaccination	50,000/=

(a) Name the farm record above.

(b) Apart from Anthrax, mention any **one** other disease which is controlled by the method used on 03/11/2023.

(c) Give any **two** reasons why keeping of such a record is important to farmers.

Health record

Foot and mouth disease// Black quarter//Brucellosis//Rinder pest// Mastitis

It allows farmers to carry out culling of animals easily // It helps to know common diseases and ways of preventing them// It helps to identify sick animals on the farm// It helps the farmer to know the expenditure for treating animals // It helps the farmer to plan for the health of animals.

The learner names the farm record shown in the table.

The learner mentions any other disease which is controlled by the method used on 03/11/2023.

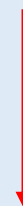
The gives reasons why keeping records shown in the table is important to farmers.

Science in Human Activities and Occupations.

Keeping Goats, Sheep and Pigs

P5

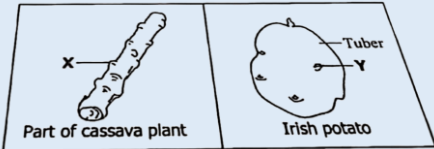
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43.	(a) Identify the type of soil erosion common in hilly areas.	Gully erosion//gulley erosion	The learner identifies the type of soil erosion common in hilly area.	The environment	Soil	P.5	C ↓
	(b) State any one danger of soil erosion to the environment.	Soil erosion causes silting// It leaves the soil surface bare and hard// It leads to soil infertility// It uproots plants // It buries young and short plants// It causes blockage of drainage systems.	The learner states a danger of soil erosion to the environment.				
	(c) Explain how deforestation causes soil erosion. (02 marks)	Deforestation leaves the soil surface bare and exposes it to the agents of erosion// It leaves the soil surface uncovered allowing easy removal of top soil by the agents of erosion	The learner explains how deforestation causes soil erosion.				
44.	The diagrams below show a part of a cassava plant and Irish potato that are used in propagation. Study and use them to answer the questions that follow. 	A node	The learner names the part of cassava plant marked with letter x.	Science in Human Activities and Occupations	Crop Growing	P.5	C ↓
	(a) Name the part of the cassava plant marked X. (b) State the method of vegetative propagation where the part of a cassava plant shown above is used.	By planting stem cuttings.	The learner states the method of vegetative propagation where the				

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			part of cassava plant shown is used.				
	(c) In which one way is the function of part marked X of the cassava plant similar to that of part Y of the Irish potato?	Both part X and Y grow into a new shoot // Part X and Y both develop into a new shoot// Part X and Y both sprout into a new shoot.	The learner states a way in which part marked X of the cassava plant is similar to that of part Y of the Irish potato in terms of function.	Science in Human Activities and Occupations	Crop Growing	P.5	
	(d) Give the importance of the tuber in the propagation of the Irish potato.	The Irish tuber provides food for the new growing Irish potato plant// The Irish tuber supplies food for the new growing Irish potato plant.	The learner gives the importance of the tuber in the propagation of the Irish potato.				
45.	(a) What is meant by the term vulnerable groups of people?	Vulnerable groups of people are the groups of people whose health can easily be harmed and need special care and diet// Vulnerable groups of people are the groups of people who need special care and diet: // Vulnerable groups of people are groups of people who can easily be harmed by poor diet.	The learner states what is meant by the term vulnerable groups of people.	Human Health	Food and Nutrition	P.5	
	(b) Apart from the sick, name one other group of vulnerable people in your community.	Pregnant women// Weaning babies // Breastfeeding mothers// The elderly people.	The learner names any other group of vulnerable people in the community apart from the sick.				

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	(c) State any two ways in which you can care for the sick in your community.	By feeding them on a balanced diet// Washing clothes for them// Bathing them// Providing medication for the sick// Reminding the sick to take medicine// Guiding and counselling them// Taking the sick to the hospital for treatment.	The learner states way in which you can care for the sick in your community.				
46.	Moses wanted to find the volume of an irregular object. He had the following materials for the experiment; an irregular object, thread, overflow can, and water. (a) Name one material Moses forgot to include on the list of his materials.	Measuring cylinder// Beaker// cylinder// Measuring can	The learner names the material Moses forgot to include on the list of his materials.	Matter and Energy	Measurement	P.5	A 
	(b) What is the use of the thread in the experiment?	For holding and lowering the irregular object into the water// For immersing the irregular object into the overflow can containing water// For gently putting the irregular object into the overflow can containing water.	The learner gives the use of the thread in the experiment.				
	(c) Describe how Moses will get the volume of the irregular object in this experiment.	<ul style="list-style-type: none"> • Moses pours water into the overflow can up to the spout. • Places the measuring cylinder at the outlet of the overflow can. • Lowers the irregular object into the water. • Takes the reading of the displaced water in measuring can. 	The learner describes how Moses will get the volume of the irregular object in the experiment.				

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47.	(a) Identify any one body change in girls during adolescence.	Growth of pubic hair on pubic regions// Enlargement of breasts //Enlargement of hips//Voice softens and become attractive//Sweat glands become more active//Pimples appear on the faces//Ovulation starts// Menstruation starts// Uterus thickens and enlarges// Growth of hair in the armpits.	The learner identifies a body change in girls during adolescence.	Human Body	The Reproductive System	P.6	A 
	(b) State any two ways in which school boys can help to prevent teenage pregnancies.	Advising girls to resist bad peer groups// Teaching girls dangers of teenage pregnancies//Campaigning against early sex and early marriages //Advising young girls to abstain from sex until marriage//Reporting cases of rape to elderly people// By abstaining from sex until marriage.	The learner states ways in which school boys can help to prevent teenage pregnancies.				
	(c) State any one way of caring for the reproductive system in humans.	Regular cleaning of the reproductive system// Performing regular physical exercise// Feeding on a balanced diet//Going for medical checkups regularly//Abstain from sex until marriage// Shaving overgrown pubic hair// Avoid wearing wet underwears // Avoid wearing tight underwears.	The learner states a way of caring for the reproductive system in humans.				

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48.	<p>The diagrams below are of a foot and a beak of a bird. Study and use them carefully to answer the questions that follow.</p> 	Swimming birds	The learner identifies the group of birds that is represented with the drawn type of foot and beak shown.	The World of Living things	Classification of Animals	P.6	C ↓
	(a) Identify the group of birds with the type of foot and beak shown.						
	(b) How do the parts of the bird shown above help it to live well in its environment.	The foot is used for paddling in water// The foot is used for swimming in water// The foot is used for easy walking on water.	The learner states a way in which the foot and the beak of shown in the diagram help it to live well in its environment.				
	(i) Foot (ii) Beak	The beak is used for picking food from water// The beak is used for catching food in water.					
	(c) Give any one example of a domestic bird with such type of beak and foot.	Duck// goose	The learner gives an example of a domestic bird with such type of beak and foot.				
49.	<p>(a) Give any one way in which each of the following elements of Primary Care (PHC) is important in a community.</p> <p>(i) Food and nutrition</p>	Helps to prevent deficiency diseases among children// It prevents malnutritional diseases// It helps to prevent stunted growth in children // It helps to boost body immunity.	The learner gives a way in which the given elements of Primary Health Care (PHC) is important in the community.	Human Health	Primary Health Care (PHC)	P.5	C ↓

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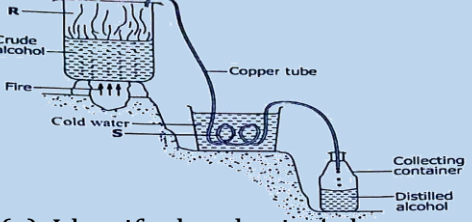
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	(i) Maternal and child health	Prevents maternal anaemia// It helps to prevent maternal mortality// It reduces infant mortality rates.					
	(b) Give any two ways of giving health education to a community.	Through songs and poems about health// Through plays and storytelling// Through drama// Through newspapers// Through television health shows.	The learner gives ways of giving health education to a community.				
50.	(a) Apart from planting crops in rows, give another method of planting crops.	Broadcasting method	The learner gives another method of planting crops apart from planting crops in rows.	Science in Human Activities and Occupation.	Crop Growing	P.4	C ↓
	(b) Give any two advantages planting maize in rows.	Row planting eases weeding// It eases spraying of maize crops// It eases harvesting// It reduces competition for sunlight and plant nutrients// It controls easy spread of maize crop diseases in the garden// It reduces hiding places for crop pests// It eases application of manure.	The learner gives the advantages of planting maize in rows				
	(c) State any one way in which the use of chemicals on a farm can be dangerous to a crop farmer.	Use of chemicals is poisonous to farmers //Chemicals can pollute the soil//Use of chemicals is poisonous to farm animals// Chemicals cause irritations on the skin.	The learner states a way in which the use of chemicals of a farm can be dangerous to a crop farmer.				

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51.	<p>The diagram below shows the distillation method of making alcohol. Study and use it to answer the questions that follow.</p>  <p>(a) Identify the physical changes taking place; (i) at part marked R. (ii) in part S.</p>	Evaporation	The learner identifies the physical changes taking place in the parts marked R and S on the shown experiment.	Human Health	Alcohol, Smoking and Drugs in Society	P.6	C ↓
		Condensation					
	(b) Give one reason why the container with crude alcohol should be properly sealed.	To prevent alcohol vapour from escaping// To trap alcohol vapour inside// To keep the alcohol vapour inside// To enable alcohol vapour to pass through the copper tube.					
	(c) Give the function of the copper tube in the method shown above.	Copper tube transports alcohol vapour to the collecting container //Transports condensed alcohol to the collecting container// Delivers pure alcohol to the collecting container// Directs condensed alcohol in to the collecting container.	The learner gives the function of the copper tube in the shown method of preparing alcohol.				

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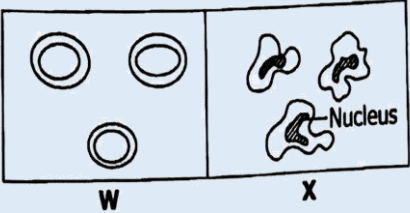
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52.	(a) State any two health problems that are common in overpopulated areas.	Poor disposal of human wastes//Outbreak of diarrhoeal diseases// Antisocial behaviours// High crime rates//Poor sanitation// //Poor water supply//Inadequate food supply//Drug abuse.	The learner states the health problems that are common in overpopulated areas.	The Community, Population and Family Life.	Population and Health	P.7	C ↓
	(b) Mention any two ways in which collecting information on human population helps to address health problems in a community.	It enables the government to provide available health services//Enables the government to plan well for the community health// Enables the government to know and prevent common diseases affecting people in a community	The learner mentions the ways in which collecting information on human population helps to address health problems in a community.				
53.	(a) Give any two ways in which plants support human life.	Plants provide oxygen to humans by carrying out photosynthesis//Plants provide food for humans// Some plants are used as herbal medicine by humans.	The learner gives ways in which plants support human life.	The environment	Interdependence of things in the environment.	P.7	A ↓
	(b) Mention any two ways in which humans can conserve plant life.	By using other alternative sources of energy instead of wood fuel//Setting strict laws against deforestation // Through afforestation//Through reafforestation// By irrigating plants //By controlling bush burning //By protecting forest from being encroached. // Through swamp reclamation.	The learner mentions ways in which humans can conserve plant life.				

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54.	(a) Identify any two characteristics of the female anopheles mosquito that makes it a good vector for malaria.	Female anopheles mosquito has proboscis for sucking blood// It feeds on human blood// The plasmodium germ can survive in the abdomen of female anopheles mosquito.	The learner identifies characteristics of female anopheles mosquito that makes it a good vector for malaria	Human Health	Vectors and Diseases	P.4	C ↓
	(b) How do the following methods help in controlling the spread of malaria? (i) Pouring oil on stagnant water.	Pouring oil on stagnant water blocks oxygen supply for the larvae of female anopheles mosquitoes// It cuts off oxygen supply for the larvae// It prevents oxygen from reaching the larvae of female anopheles mosquitoes.	The learner states how pouring oil on stagnant water controls the spread of malaria.				
	(ii) Sleeping under a mosquito net.	Sleeping under treated mosquito net prevents mosquito bites// It does not allow female anopheles mosquitoes to bite people.	The states how sleeping under treated mosquito net controls the spread of malaria.				
55	The diagram below shows the structure on different blood cells in the human body. Study and use them to answer the questions that follow. 	White blood cell	The learner names the blood cell marked with letter X in the shown diagram	Human Body	The Circulatory System.	P.6	C ↓

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	(b) Give the function of the blood cells marked: (i) W	Blood cell marked W carries oxygen to all body parts	The learner gives the function of the blood cells marked with letter W and X				
	(ii) X	Blood cell marked X defends the body against germs// Fights against germs in the human body// It engulfs and kills germs in the body// It protects the body against germs in the body// It produces antibodies to fight infections in the body.					
	(c) Identify any one disease which destroys the blood cells W .	Sickle cell anaemia// Sickle cells	The learner identifies a disease that destroys the blood cells W .				

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THE TABLE BELOW SHOWS THE NUMBER OF QUESTIONS SELECTED FROM DIFFERENT CLASSES				
<p><i>In general analysis of question selection from different classes, Primary Five has the highest question composition percentage of (34.5%) and this was followed by Primary Six class with a composition percentage of (27.3%).</i></p> <p><i>Question composition percentage of (21.8%) were selected from Primary Seven class and the least composition percentage is (16.4%) selected from Primary four class.</i></p>	Primary four	Primary five	Primary six	Primary seven
	Number of qns: 9	Number of qns: 19	Number of qns: 15	Number of qns: 12
	Qn.1	Qn.9	Qn.4	Qn.8
	Qn.2	Qn.11	Qn.5	Qn.20
	Qn.3	Qn.13	Qn.6	Qn.21
	Qn.16	Qn.15	Qn.7	Qn.24
	Qn.26	Qn.17	Qn.10	Qn.31
	Qn.27	Qn.18	Qn.12	Qn.34
	Qn.33	Qn.22	Qn.14	Qn.35
	Qn.50	Qn.23	Qn.19	Qn.36
	Qn.54	Qn.28	Qn.25	Qn.37
		Qn.30	Qn.29	Qn.38
		Qn.32	Qn.40	Qn.52
		Qn.39	Qn.47	Qn.53
		Qn.41	Qn.48	
		Qn.42	Qn.51	
		Qn.43	Qn.55	
		Qn.44		
		Qn.45		
		Qn.46		
		Qn.49		
	16.4%	34.5%	27.3%	21.8%

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