



MARKING GUIDE SET4

		Section A (40 Marks)							
NO	Answer	Competence	Topic /Sub-topic: Curr Pg.	Life skills	Values	Class	Level		
1.	▪ Coffee, tea, apples, mango	Mentions the examples of perennial crops.	Growing crops	- care - responsibility	- critical thinking	P.4	K		
2.	▪ Diphtheria, Pertussis (whooping cough), tetanus	Names the diseases prevented using DPT vaccine.	Immunization	- care - concern	- problem solving - critical thinking	P.5	C		
3.	▪ Prolonged hunger, illness, too much excitement, shocking news, standing in sunshine for a long time.	States the conditions that lead to fainting.	Accidents and First Aid	- problem solving - responsibility	- problem solving - self awareness	P.7	C		
4.	▪ Satisfy hunger, be happy, be healthy, for hospitality, it is a habit.	Identifies the reasons for eating food.	Our food	- care - appreciation	- creative thinking	P.4	C		
5.	▪ Extended family.	Describes the types the types of families.	People at home	- love - respect	- critical thinking	P.1	A		
6.	▪ To drop carbon dioxide and pick oxygen	Explains the reasons why blood moves to different parts of the body.	Circulatory system	- concern	- problem solving - creative thinking	P.6	C		
7.	▪ The ice cubes did not melt	Describes conductors and insulators of heat.	Matter and energy (heat energy)	- concern - evaluating facts.	- observation - critical thinking	P.5	A		
8.	▪ Water did not conduct heat to copper wires since it is a poor conductor of						C		

	heat.						
9.	▪ Clay soil	Identifies the type of soil and their uses	Soil	- creative thinking - problem solving	- care ns	P.5	K

					- makin g decisio		
10.	▪ To get warmth, it is a culture, for identification.	States the reasons for wearing clothes	Things found at home.	- responsibility - care	- problem solving - critical thinking	P.1	C
11.	▪ Hinge joint, pivot joint, gliding joint, ball and socket joint.	Identifies the types of movable joints.	Muscular and skeletal system	- concern - responsibility	- critical thinkin g - problem g solvin	P.7	K
12.	▪ Cumulus clouds	Identifies the types of clouds and their uses	Weather changes arou d us.	- care - environment al awareness	- creative thinking - problem g solvin	P.4	K
13.	▪ To pass time, to feel warm, to fit in peer groups.	Suggests the reasons for smoking	Alcohol, smoking and drugs in the society	- care - concer n	- problem g solvin - self awarenes s	P.6	C
14.	▪ To prevent the queen bee from laying eggs in the honey chamber.	Describes the parts of a modern hive	Keeping poultry and bees.	- responsibility - care	- problem solving - critical thinking	P.5	C
15.	▪ By having the pistil and stamen on different flowers.	Describes the different types of pollination	Plant life	- appreciation - environmental wareness	- critical thinkin g	P.4	A

16.	▪ Cardiac muscles.	Describes the muscles of the heart.	Skeletal and muscular system	- care - self awareness	- critical thinking - problem solving	P.7	K
17.	▪ Insects have three pairs of jointed legs while arachnids have four pairs of jointed legs. ▪ Insects have three main body parts while arachnids have four main body parts. ▪ Insects breathe through spiracles while arachnids breathe through book lungs.	Describes the differences between insects and arachnids	Classification of animals	- Evaluating facts. - concern	- creative thinking	P.6	C

18.	▪ Latrines, rubbish, kitchen	Identifies the elements of good sanitation	Sanitation	- care - responsibility	- problem solving - critical thinking	P.7	K
19.	▪ Heat expands matter, heat increases the temperature of matter, heat can lead to chemical changes.	Describes the effects of heat on matter.	Heat energy	- care - concern	- critical thinking - problem solving	P.5	C
20.	▪ Vomiting increases the likelihood of paraffin finding its way into the lungs. ▪ Vomiting paraffin may affect the throat.	Mentions the effect of vomiting poisonous liquids.	Accidents and First Aid	- care - responsibility - decision making	- problem solving - critical thinking	P.7	C
21.	▪						
22.	To get blood containing proteins which helps to develop their eggs.	Describes the survival of different vectors	Common vectors and diseases.	- care - concern	- problem solving - creative thinking	P.3	C

23.	▪ By plucking its strings	Describes the ways of playing different musical instruments.	Sound energy	- appreciation - care	- creative thinking	P.6	A
24.	▪ String musical instruments, chiodo phones	Identifies the groups of musical instruments					
25.	▪ To get milk, meat, labour/ to sell and get money after sometime.	Describes the reasons for rearing cattle.	Keeping cattle	- appreciation - care	- critical thinking	P.6	C
26.	▪ Poliomyelitis / Polio, tetanus, rickets, leprosy, arthritis, tuberculosis of the spine.	Identifies the diseases of the muscular and skeletal system	Muscular and skeletal system.	- care - concern	- problem solving - self awareness	P.7	K
27.	▪ By cell division of two / by binary fission.	Describes the mode of reproduction in bacteria.	Bacteria and Fungi	- environmental awareness.	- critical thinking	P.5	A
28.	▪ Proteins	Identifies the food values obtained from different food stuffs	Our food	- care - responsibility	- problem solving - critical thinking	P.2	K
29.	▪ Used in making fertilizers/ used in making acids/ used to preserve semen	Identifies the uses of nitrogen	Components of air	- care - concern - appreciation	- critical thinking - problem solving	P.3	C
30.	▪ Helps bats to locate their prey/ helps bats to dodge obstacles/ help fishermen to detect school/ schools of fish. / help sailors to detect the depth of water bodies/ help pilots to dodge obstacles during flight.	Describes uses of echoes to different organisms in the environment	Sound energy	- concern	- critical thinking - problem solving	P.6	A
31.	▪ Through conduction	Mentions the different methods of heat transfer	Heat energy	- care	- creative thinking - problem solving	P.5	A
32.	▪ Resources are things/ features/components in the environment that man uses to satisfy his needs.	Explains resources.	Resources in the environment.	- appreciation - care	creative thinking	P.7	K

33.	▪ Femur	Identifies the parts of the human skeleton.	Muscular and skeletal system	- concern - care - responsibility	- critical thinking - observation		K
34	▪ Both prevent the backward flow of liquids	Mentions the similarity between a kink and valves.		- concern	critical thinking	P.6	C

35.	▪ By penetrating through our bare skin.	Describes the ways how different worms enter our body.	Communicable diseases and worm infestation.	- care - responsibility	- problem solving	P.4	C
36.	▪ Docking is the shortening of the sheep's tail	Discusses the practices in sheep rearing	Keeping goats, sheep and pigs		- care - concern	P5	K

37.	▪ Air exerts pressure	Carries out experiments on properties of air	Properties of air	- care - concern	- problem solving	P.3	A
38.	▪ Filtration method, decantation, distillation, chlorination.	Methods of obtaining clean water.	Science at home and in our community.	- care - responsibility	- problem solving - critical thinking	P.7	K
<div> <div></div> <div>Section B (60 Marks)</div> </div>							
41.	(a) Skeleton is the supportive and protective structure of the body. / skeleton is the structure that supports and protects the body. (b) Femur, fibula, tibia, ulna, radius, humerus. (c) People, cattle, goats, snakes. (d) protects delicate body organs/ provides shape to the body/ provides support to the body.	Describes skeleton	Muscular and skeletal system	- care - concern	- appreciation	P.7	K
42.	(a) milk, meat, skin (b) anthrax, nagana, Nairobi disease, foot and mouth disease, East coast fever. .	Identifies the products got from keeping goats. Describes the diseases of goats.	Keeping goats, sheep and pigs	- care - responsibility	- problem solving - critical thinking	P.5	K
43.	(a) (i) K - vent pipe (ii) M – screen (b) Using the latrine properly/ cleaning it regularly.	Identifies the parts of VIP latrine. Describes the ways of caring for a VIP latrine.	Sanitation	- care - responsibility	- observation - problem solving	P.7	A
44.	(a) When the body temperature exceeds the normal / when there is fever. (b) small insects, sand, dust, powder materials. (c) To prevent the victim from biting his/her tongue.	-States the examples of foreign bodies in the different parts of the body.	Accidents and First Aid	- concern - care	- problem solving - critical thinking	P.7	C
45.	(a) zebra crossing, flyovers, traffic lights. (b) breathing, bleeding, broken leg	Describes the ways of reducing accidents	Accidents and First Aid	- love - care	- problem solving	P.7	A
46.	(a) controls soil erosion/controls weeds/ keeps moisture in the soil. (b) maize straws, dry leaves, dry grass. (c) mulches become hiding places for pests.	Describes mulching	Growing crops	- care - responsibility	- creative thinking	P.3	C
47.	(a) Distilled water does not contain mineral salts. (b) sorting, soaking, washing, rinsing, wringing, drying, ironing.	Describes the process of cleaning clothes	Science at home and in our community.	- care - responsibility	- problem solving - critical thinking	P.7	C

	(c) chemicals like herbicides, silt, bottles, human wastes.						
48.	(a) (i) J – liver (ii) L – pancreas (b) stores food for a short time.	Discusses the parts of the digestive system and their functions	The digestive system	- responsibility - concern	- creative thinking	P.5	A

49.	(a) in the body cells (b) food, oxygen (c) carry out gaseous exchange.	Explains the process of respiration	The respiratory system	- care - concer n	- sel criti
50.	(a) They have nuclei which controls cell activities/ they have cytoplasm that help them to engulf germs. (b) Malaria, AID(HIV/AIDS), sickle cells anemia, leukemia (blood cancer), high blood pressure (Hyper tension) (c) Veins have valves unlike arteries/ veins have thin walls while arteries have thick walls/ veins have wide lumen while arteries have lumen.	Describes the white blood cells Mentions the diseases if the circulatory system. Identifies the structural differences between arteries and veins.			
51.	(i) scabies, leprosy, athletels food, scurvy, measles, impetigo, skin cancer. (ii) lungs (iii) Hypertension, low blood pressure, coronary heart disease (iv) eyes.	Discusses the diseases of different body organs	The major body organs.	- care - responsibility	- pr - cri
52.	(a) PHC is the essential health care where individuals, families and communities come together to solve health problems. (b) Water and sanitation, family planning, personal hygiene, accidents and first aid, food and nutrition, immunization. (c) practising personal hygiene activities/ going for immunization.	Explains the term PHC	Primary Health Care	- care - concer n	- cri pro
53.	(a) wearing face masks, sanitizing/ avoiding crowded places/ keeping social distance. (b) Corona virus. (c) fever, dry cough, running nose, sore throat.	Discusses the ways of preventing the spread of COVID 19	Health in our sub county/ division	- care - responsibility	- pr - cri
54.	(a) Photosynthesis is the process by which plants make their own food using sunlight. (b) Traps sun light energy. (c) Animals get oxygen (d) water, carbon dioxide.	Describes the process of photosynthesis	Plant life	- care - concer n	- - al a
55.	(a) pollinates farmer's crops (b) sun bird, humming bird (c) flightless birds/ swimming birds/ birds of prey/ perching birds/ scratching birds/ scavenger birds.	Describes the groups of birds.	Classification of animals	- responsibility - care	- - al a