DEC PRE-PLE SET 1 SCIENCE MARKING GUIDE

- 1- Ticks, scorpion, spider
- 2- A metallic cup emits more heat than a plastic cup.
- 3- Triceps, biceps, quadriceps
- 4- A bat is more active at night.
- 5- They are fertilized externally
- 6- Biogas does not pollute the environment.
 - Biogas doesn't encourage deforestation.

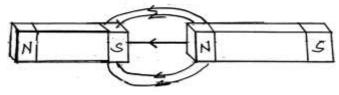
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Convex lens

- 8- Umbilical cord transports digested food from the placenta to the foetus.
 - Umbilical cord transports waste products from the foetus to the placenta.
- 9- Hydrostatic skeleton
- 10-Due to fraction of light.
- 11-Fast flowing water.
- 12-Shortage of oxygenated blood supply to the brain.
- 13-Measles vaccine
- 14-Babies are born with immunity against measles that lasts for only 36 weeks.
- 15-To control the rate of transpiration
- 16-Decanting does not kill germs
 - Water obtained from decanting still contains germs
- 17-A freely suspended bar magnet rests in North-South direction
- 18-Planting trees
 - Avoid bush burning
 - Avoid deforestation

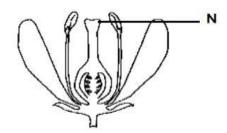
- Re-afforestation
- Agro-forestry

- 19-Gonorrhea
- 20-



- 21- Spore producing plants
- 22-To prevent themselves from being shocked by electricity / to prevent electric shock.

- 23-Irish potatoes are propagated by means of stem tubers while sweet potatoes are propagated by stem cuttings / vines
- 24-Semicircular canal
- 25-To breathe in oxygen / to look for more oxygen
- 26-To promote quick recovery by restoring oxygenated blood supply to the brain or
 - To encourage oxygenated blood supply to the brain
- 27-To be split into hydrogen and oxygen to speed up the formation of starch
- 28-The liver regulates blood sugars / glucose
 - The liver stores vitamins and mineral salt
 - The liver acts as detoxicating agent
 - The liver helps to produce energy as a result of chemical reaction.
- 29-Foster family.
- 30-Sepal
- 31-



- 32-All people should be treated equally.
 - Punishing wrong doers and praise good behaved ones.
 - Joining productive clubs in the society.
 - Taking children through counseling and guidance lessons.
- 33-Pistil and stamen are at different plants
- 34-Keratin
- 35-The moon reflects its light from the sun.
- 36-Fresh water snails
- 37-Whales use blubber to keep themselves warm.
- 38-Due to differences in atmospheric pressure.
- 39-Head
- 40-By means of laying eggs.

Section B

41-Clinical thermometer.

- (b) Mercury
- (c) To draw mercury back to the bulb
- (d) 37^{0} C or 98.4^{0} F
- 42-Heat expands matter, heat makes matter to evaporate
 - Heat melts matter Heat makes matter hot or warm
 - (b) Heat transfer by conduction helps us to cook food
 - heat transfer by conduction helps to iron clothes.
- 43-Landslides // earth quakes // volcanic eruption // bush fires // tsunami // hail stones
 - (b) deforestation // bush burning // over grazing // over cultivation // swamp drainage
- 44- a) B conducting wire M fuse
 - b) Chemical energy is changed to electric energy
 - c) chemical energy
- 45-Farm records are written information about activities carried out on a farm.
 - (b) Production records, operation records, feeding records
 - (c) They help a farmer to make decisions
 - They help the farmer to work out profits and losses
 - They help a farmer to plan for the farm
 - They help the farmer to be taxed by the government fairly.
 - They help the farmer to acquire loans from banks.
- 46-(a) Some plants climb others in order to get sunlight
 - Big trees provide shade to small plants
 - Plant leaves and grass are used to mulch gardens
 - Plants like legumes fix nitrates into the soil.
 - (b) Some animals are source of food for other animals.
 - Some animals provide security to others Some animals are kept as pets.
 - Some animals help others in transport.
- 47-(a) Bananas by means of suckers
 - (b) Pineapples by means of suckers / crown / slip
 - (c)Carrots by means of seeds.
 - (d) Bryophyllum by means of leaves
- 48-They are all vertebrates / They all have back bones
 - (b) Both animals reproduce by laying eggs
 - (c) List T

	(d) Tortoises, alligators, crocodiles			
49-Plasma				
	(b) Digested food , hormones, water, blood proteins, mineral salts			
	(c) blood plasma transports carbondioxide from all parts of the body to the lungs.			
	- Blood plasma transports digested food to all parts of the body.			
	- Blood plasma transports hormones from the glands to where they are needed.			
50-(a) seesaw				
	(b) Single fixed pulley			
	(c) $L \times L.A = E \times E.A$			
	$60 \times 10 = \times \times 50$			
	600 = 50x $600 = 50x$ $50 = 50$ $12 = x$ $X = 4m$			
	Therefore $\underline{x = 4m}$ (2mks)			
51	51-A locust undergoes incomplete life cycle while a bee undergoes complete lifecycle.			
	(b) Imago			
	(c)cocoon			
52	2-(a) For respiration			
	(b) Aerobic respiration		- Anaerobic respiration	
	(c) In the living body cells			
53	53-(a) Poor personal hygiene, poor feeding / nutrition			
	 Poor sanitation, drug abuse Poor lifestyles, some diseases are inherited (b) Having proper sanitation 			
	- Having good nutrition		- Having regular body exercises	
	- Practicing proper personal hyg	jiene		
54	- (a) X – magenta	Y – yellow	Z – green	
	(b) violet			
55-Q – suckers				
	(b) Through eating under cooked beef / pork			
	(c)It feeds parasitically			
	(d) For absorbing digested food / for reproduction			