

DEC PRE-PLE SET 2 SCIENCE MARKING GUIDE

- 1- Irish potatoes , white yams
- 2- By using blubber to keep themselves warm
- 3- Wiggler
- 4- Light is used in some industries to view cracks in materials
 - Green plant use light from the sun to make food which people feed on.
 - Sunlight help in the manufacture of vitamin D by the help of the skin.
- 5- Air is filtered, air is moistened, air is warmed.
- 6- Nectar
- 7- Polio
- 8- Through including roughages in our diets.
 - Through drinking enough water after having a meal.
- 9- The sun dehydrates seeds / The sun removes moisture from seeds.
- 10-Solids
- 11-Television, telephones
- 12-Through sweating
- 13-Plants use water as a raw material for photosynthesis
- 14-Scabies, athlete's foot, eczema
- 15-Brushing teeth removes food particles
- 16-Inclined planes
- 17-Steps, screw nails, slopping floor, stair cases, a winding road, ramps
- 18-By using seeds.
- 19-Dipping the burnt part in cold clean water.
- 20-The size of the hole, the distance between the object and the camera.
- 21-Gas state / gaseous state
- 22-Suction pads
- 23-Virus
- 24-Malaria, sickle cell, anemia
- 25-Tick / ticks
- 26-By water / through water dispersal
- 27-Cold weather condition
- 28-Tortoise, turtle, terrapin
- 29-Tsetse fly

30-Nitrogen

31-To increase on electric resistance and give out more heat that changes to light.

32-Coffee husks, saw dust

33-To keep the poultry house dry by absorbing moisture from droppings.

$$34- D = \frac{M}{V} \qquad D = \frac{50g}{10cc} \qquad D = \underline{5g/cc}$$

35-To attract mates

36-To prevent the user from burns

37-A pollen tube is formed.

38-Ankole, Boran, Nsangala or sanga cattle, Friesian, jersey, Ayrshire, brown swiss,
Jamaican hope, Guernsey, Hereford, Charolaise, Galloway, American beef master etc

39-It provides acidic conditions for enzyme pepsin to work.

40-Atom

Section B

41-(a) Environmental degradation is the lowering the quality of the environment. Or This is
a way in which the quality of our environment is made less attractive and productive.

(b) Bush burning, deforestation, swamp drainage

42-Vertebrates

(b) Fish, birds, mammals, reptiles, amphibians

(c) duck billed platypus have hair on its body

- Duck billed platypus have mammary gland

- Duck billed platypus feeds its young ones on milk produced by the mammary gland.

43- (a) ring/ annulus

(b) By means of spores

(c) They produce and store spores.

(d) Moulds

44-Soil profile

(b) Bush burning, mono cropping, over cultivation, over grazing

- Constant use of fertilizers

45-To prevent a bad smell / to prevent houseflies

(b) bad smell in a home

- Presence of houseflies

- presence of litters

(c) Ecological sanitation

46-Rain gauge

- (b) (i) To prevent obstruction of rain water
- (ii) To prevent rain water from slashing into it
- (c) A ceilometer determines the height of clouds / cloud base

47-(a) Induction method

- (b) Induced magnets
- (c) A magnet can be used to separate beans from magnetic materials.
 - A magnet can be used to remove magnetic materials from the floor.
- (d) South pole

48-a) Nuclear electricity produced from uranium

- (b) Geothermal electricity hot rocks in the earth
- (c) Thermal electricity burning fuels
- (d) Hydroelectricity fast flowing water

49-Ovaries produce ova

- Ovaries produce female hormones called oestrogen and progesterone
- (b) Testosterone
- (c) Abstaining from sex until marriage / abstinence

50-Heat enables us to cook food

- Heat is used to iron clothes
- Heat enables us to feel warm
- People use heat to roast meat.
- (b) To absorb more heat
- (c) Heat increases the rate of evaporation.

51- (a) Respiratory system

- (b) A balloon represents the left lung
- (c) A polythene paper represents diaphragm
- (d) The polythene moves upwards.

52-(a) Chameleon – changes colour according to surrounding / camouflage

- (b) Porcupine – uses its spines
- (c) Skunk – produces a bad smell
- (d) Scorpion - by stinging and injecting poison into its enemies

53-Sea mammals

- (b) They are all vertebrates / They all have a back bone
- (c) Dolphin
- (d) They are all vertebrates/ They all have a backbone
 - They all breathe through lungs.

54-(a) (i) knee joint

- Elbow joint
- (ii) Shoulder joint
- Pelvis / hip joint

(b) Ligament

(c) femur

55-Plane mirrors

- (b) $a = 55$, since the incident angle is equal to reflected angle from the law of reflection.
- (c) (i) Incident ray // ray of incidence
- (ii) Reflected ray // ray of reflection