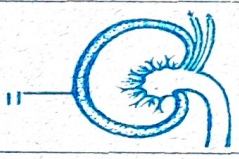


# THE PRIME PRE-PLC TRIAL SET III INTEGRATED SCIENCE MARKING GUIDE 2022

## SECTION A (40 Marks)

### NO ANSWER

1. Plants.
2. A nail cutter is used to groom/ cut finger/ toes nails short.
3. Primates have a well developed brain compared to other mammals.
4. To build their body.
5. Biceps/ flexor, triceps, extensor.
6. Kink/narrow bend/ constriction.
7. To kill germs on it.
8. Soil.
9. Bees pollinate crops.
10. Flowers are used to make perfumes.
11. To keep flies out of the pit.
12. A wedges have two inclined planes which join together to form a sharp edge.
13. Bubonic plague.
14. Skin rash, minimal fever, enlargement of lymph node.
15. Kidney.
16. 
17. Clean toilet, clean kitchen, clean bathroom, plate rack etc.
18. Boiling water for drinking, proper disposal of human wastes, scrubbing the toilet, sweeping or mopping the house, slashing grass in the compound, taking part in health education.
19. Smoking causes miscarriage/abortion, smoking causes premature birth/ still birth, smoking causes under weight birth.
20. Sun light enables plants to make their own food.
21. To reduce the risk of injuries among cattle, to reduce the risk of transmission of diseases.
22. Vitamin A.
23. Veins carry blood to the heart while arteries carry blood away from the heart.
24. Electrical energy changes to heat and light energy.
25. Free range/ open system.
26. Faeces.
27. Broad casting method.
28. Lack of enough oxygen supply to the brain.
29. Direct current.
30. Measuring cylinder, over flow can/Eureka.
31. Paddock breaks the lifecycle of parasites.
32. The size of the vibrating object, tension in the vibrating material, frequency of the vibrating material, thickness of the vibrating materials, nature of the vibrating material, length of the vibrating object.
33. Trees get manure from some animals, trees get carbon dioxide from animals.
34. Convection.
35. The smoke's density is lighter than fresh air.
36. Draining stagnant water, oiling stagnant water, slashing tall grass around the compound.
37. Both have joined legs, both have an exoskeleton, both roll on their backs when disturbed to scare their enemies.
38. Oxygen reacts with moisture to form rust on metals, oxygen combines with moisture to cause rusting in metals.
39. Candidiasis.
40. Chest cavity.



**Section B (60 Marks)**

41.	(a) Inhalation/inspiration/ breathing in, expiration/exhalation/breathing out. (b) The oxygen we breathe in burns food for the body to produce energy. (c) To increase surface area for oxygen.
42.	(a) Light energy. (b) It is where the images are formed, both form inverted/diminished/ real images. (c) Accommodation is the ability of the lens of the eye to focus objects at different distances from the eye automatically. (d) The eye uses light to function.
43.	(a) Polythene bags, plastics, metals, oil, concrete, glass. (b) They lead to soil exhaustion, they kill the soil living organisms, they block air from entering the soil, polythene paper prevent water from entering the soil.
44.	(a) Traffic light. (b) X: Green. W: Orange. (c) Driving when drunk, speeding vehicles, over taking, playing on the road.
45.	(a) Malaria, flus, kwashiorkor, marasmus, typhoid. (b) Proper feeding, bathing daily, sleeping under treated mosquito nets, boiling water for drinking, clearing stagnant water.
46.	(a) <b>Cassava</b> : Stem cutting. (b) <b>Planting vines</b> : Sweet potatoes. (c) <b>Carrots</b> : Seeds. (d) <b>Planting stem tubers</b> : Irish potatoes.
47.	(a) Calcium chloride, flourine, potassium, permanganate, iodine. (b) Chlorination. (c) The chemicals kill germs, the chemicals are effective, the chemicals save time.
48.	(a) Strip cup. (b) Blood stains in milk, pus in milk, swollen udder, swollen teats. (c) Treat early cases with antibiotics, ensure good hygiene when milking a cow.
49.	(a) Morant hutch, caged harsh, traditional hatch. (b) To protect them from hatch weather conditions, to protect them from thieves/wild animals. (c)
50.	(a) Food and nutrition/ Nutrition and food hygiene. (b) Control of Diarrhoeal diseases, immunisation, family planning, CCD, MCHC, First aid etc. (c) To control deficiency diseases, to get energy, to grow well.
51.	(a) They have big dewlaps, they have a big hump, mature slowly, they are resistant to diseases, they are smaller in size. (b) Local breeds can stand harsh weather conditions than exotic breeds, local breeds produce high quality meat and milk than exotic breeds, local breeds have fewer reproductive problems than exotic breeds, local breeds are resistant to diseases than exotic. (c)
52.	(a) Digestion of food. (b) Both are irreversible, both form a new substance. (c) Rusting results into wearing and tearing of metals, bolts became difficult to open or unscrew due to rusting, water and air become poisonous to people, burning destroys property, burning pollutes the environment.
53.	(a) Reptiles. (b) For protection, to scare the enemies, for catching the prey. (c) A chameleon feeds on some vectors that are harmful to man. (d) For trapping insects.
54.	(a) By keeping moving parts of a machine separate. (b) By using rollers, lubricating the moving parts of a machine, streamlining bodies of objects, polishing rough surfaces, applying wheels when moving objects. (c) Oiling the hinges of the door, greasing the hinges, lubricating the hinges.
55.	(a) Peer pressure, Influence, defilement, rape, drug abuse, poverty, desire for material things, forced marriage, early sex. (b) Avoid early sex, abstain from sex till marriage, avoid bad touches, avoid gifts from strangers, seek advice from elders.