

THE REAL PRIVATE TEACHER GUIDES PLE INTEGRATED SCIENCE REAL PLE – 9 2023

1. Worker/worker bee
2. It leads to deforestation/soil erosion/ global warming/ air pollution
3. Roughages
4. African swine fever
5. Biological change
6. Regular bathing/avoid sharing clothes with a sick person/avoid direct body contact with an infected person.
7. It damages the brain.
8. Bush following.
9. Potential energy to kinetic energy/ Potential energy to sound energy.
10. Nitrogen fixing bacteria improves soil fertility/Bacteria aid decomposition
11. Synovial fluid//cartilage
12. Both feed on carrion/left over flesh.
13. By dipping/paddock/double fencing/ burning of old pasture.
14. To equip pupils with farming skills/teach pupils know how to care for crops and animals/enable the school have enough food.
15. Testes/testicles/testis
16. Smoking the hive.
17. pellets
18. lateral line
19. Both involve loss of water.
20. Their body temperature change with the environment.
21. Mosquitoes hide in the bushes.
22. convulsions
23. to smell/detect danger
24. It helps to keep the body warm.
25. Vices/diseases/poor feeding
26. To prevent electric shock/short circuit
27. Being faithful to each other.
28. Both are formed by obstruction of certain forms of energy.
29. To be pumped to the lungs.
30. It leads to soil erosion/global warming/ drought/ air pollution
31. Both are magnetic substances.
32. Hepatitis B
33. Photosynthesis
34. It reduces/relieves pain
35. Having enough rest/sleep/doing physical exercises.
36. Draw water level in the cylinder to **6cc** and write final level.
37. Air exerts pressure.
38. By using lightning conductor/putting on rubber shoes/never stand under tall trees during a thunder storm.
39. Inhalation / breathing in
40. Skin/human skin/the skin
- 41.a). cholera/diarrhoea/dysentery/typhoid
b). dehydration
c). By giving the person ORS/SSS/plenty of fluids/ water fruits/balanced diet.
- 42.a). All bear live young ones/have internal fertilization/under go sexual reproduction.
b). turtle
- 43.a). (i) freezing (ii) evaporation
b). **B//D** (c). rain / water cycle
- 44.a). They excrete waste products/urea/uric acid
b). urea/uric acid/excess water/excess salt
c). Solar panels are expensive to buy and install.
- 45.a). for communication
b). Through sound waves in the air.
c). By using soft boards/porous materials/ thick curtains/ woolen blankets/carpets
d). Pitch is the highness or lowness of sound while volume is the loudness or softness of sound.
- 46.a). (i)Ammeter (ii)voltmeter
b). (i) It measures electric circuit
(ii) It measures voltage/electric pressure.
- 47.a). Night blindness
(b). Through air/water/food/animal bites/insect bites/body contact.
c). It cannot spread from one person to another.
- 48.a). It is a written instruction by a healthy worker on how to use a drug
(b).It prevents overdose/under dose/drug poisoning/misuse/wastage
- 49.a). lining of clay
(b). It conserves heat/uses little charcoal/ saves charcoal
c). It reduces the rate of deforestation.
- 50.a). sand soil
b). For modelling / brick making/ construction/ making tiles.
c). decomposition
- 51.a).land preparation/planting/weeding/ spraying/ mulching/harvesting
b). pests/diseases/floods/drought/volcanic eruptions/landslides/soil erosion
- 52.a). They carry blood with low pressure.
b). veins
c). carries oxygen/digested food/regulates body temperatures/defends the body against germs.
- 53.a). (i). tail/caudal fin (ii). gills/mouth
b). poultry feed processing industry/ fish processing industry
- 54.a). seed dispersal
b). plants occupy new areas/prevents extinction of plants/reduces plant competition for water.
c). The are light and small/have wing like structures/ parachute like structures/ hairy feature like structures.
- 55.a). first class levers
b).

$F_1 \times D_1$	$=$	$F_2 \times D_2$
$K \times 4$	$=$	80×5
$\frac{4K}{4}$	$=$	$\frac{80 \times 5}{4}$
K	$=$	20×5
K	$=$	$100kg$

c).crowbar/a pair of scissors/ bower hole/ lead opener/ beam balance/ claw hammer