

# THE REAL PRIVATE TEACHER GUIDES SPECIAL Mock Trial - II- 2023 INTEGRATED SCIENCE

1. Brightly coloured petals
2. To take in oxygen.
3. In the neck.
4. To avoid diseases/ Keeping healthy/ For proper growth.
5. Shortage of oxygen supply to the brain.
6. \_\_\_\_\_/ \_\_\_\_\_
7. Free range system.
8.  $D = \frac{M}{V} = \frac{6^1 \text{ gm}}{12^2 \text{ cm}}$
9. White blood cells
10. To reduce the rate of transpiration.
11. Compound trifoliate leaf.
12. Soil erosion
13. In the ileum
14. East cost fever/ heat water/ Red water.
15. It is for proper disposal of dice or rubbish.
16. Grooming nails destroys the breeding places of germs, hence controlling diseases.
17. By vibration of the skin.
18. 5 months
19. Pinna / outer ear
20. To allow free circulation of air in the house.
21. Convection
22. By means of spores.
23. Bush burning leaves the soil bare, exposing it to erosion agents.
24.  $V = L \times W \times h$   
 $= 3\text{cm} \times 2\text{cm} \times 4\text{cm}$   
 $= 24\text{cm}^3$
25. To avoid electric shocks.
26. It helps to put off fire at school in case of the outbreak.
27. Gaseous state
28. They help to pick iron metals from the body after surgical operation.
29. Extensive system / Intensive system.
30. They help in food formation./ in propagation./ in transpiration.
31. A rake helps in collecting rubbish while a spade helps to collect manure.
32. Epigeal germination.

33. A magnet is any substance that attracts magnetic materials.



35. Effort
36. The skull protects the brain.
37. sorghum
38. cotyledon
39. To avoid skin diseases.
40. Loam soil/ sand soil/ clay soil
41. a). Smoking is the regular or frequent use of tobacco.  
 b). To pass time/ To fit in a peer group/ To confident/ To feel warm  
 c). lungs
42. (a). By terracing land./ By planting trees./ By planting short grass in the compound./ By crop rotation.  
 b). fast flowing water/wind/moving animals.
43. a). bulb  
 (b). Part R will produce light.  
 (c). Due to proper arrangement of batteries.  
 (d). It melts and breaks the circuit.
44. a). Bees live, move and work together.  
 b). solitary insects.  
 c). To get money after selling honey.
45. a). First aid is the immediate help to a casualty before being taken to the hospital.  
 b). to save life/ to promote recovery/ to prevent further injuries.  
 c). A stretcher helps to carry casualties who are unable to walk.
46. (a) (i) lungs (ii) kidneys  
 (b) i). They carry oxygen around the body.  
 ii) They help in blood clotting.
47. (a) a snail  
 (b) hearing/ feeling/ detecting enemies  
 c) fresh water
48. a). Shearing is the removal of wool from the sheep.  
 (b) Pneumonia  
 (c) mutton/ wool/ manure

- (b) a solution
- (c) i). It is a solution which cannot dissolve any solutes when stirred.  
 (ii). It is a solution which cannot any solutes even when heated.

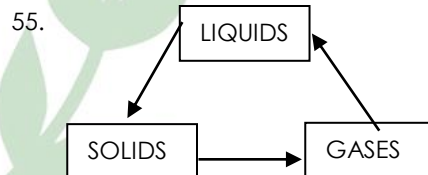
50. a). (i) by ligaments (ii). by tendons  
 b). synovial fluid/ cartilage  
 c). at the knee/ at the elbow

51. (a) Lateral bod/ axillary bod  
 (b) For propagation  
 (c). Tuber crops  
 (d). cassava/ sweet potatoes/ carrots

52. a). Displacement method  
 (b). string/ thread  
 c).  $V = 2^{\text{nd}} \text{ level} - 1^{\text{st}} \text{ level}$   
 $= 40\text{cc} - 20\text{cc}$   
 $= 20 \text{ cc}$

53. a). Drug prescription is health workers written advice on how to use a drug.  
 b). Drugs may be expired/ Drugs may be contaminated/ Drugs may not be properly prescribed.  
 c). It reduces deforestation rate.

54. a). Polio disease  
 (b) measles/ diphtheria/ tuber culosis/ whooping cough/ tetanus/ typhoid/ hepatitis B/ yellow fever/ cholera



- Water as a liquid by evaporation it changes to a gas, and water in the gaseous state changes to a liquid by condensation.

- Water changes to a solid by freezing and again changes to liquid by melting.

49. a). Sugar and salt dissolved in water.