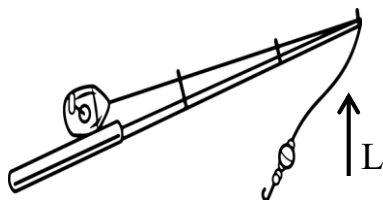


MITYANA DISTRICT MOCK INTEGRATED SCIENCE MARKING GUIDE – 2024

1. Air pressure/Atmospheric pressure
2. Prevents dehydration in the body/Eases digestion/Allows proper functioning of the kidneys/quenches thirst.
3. Solid state/solids.
4. By engulfing disease germs/By producing antibodies/By producing antigens.
5. Third class levers.
- 6.



7. Nitrogen
8. Teeth decay/periodontal (gum disease)/dental plaque.
9. Cross pollination.
10. Enzymes speed up the rate of digestion.
11. Irish potatoes/white yam.
12. A cat.
13. By feeding her on balanced diet/Taking her to antenatal care.
14. Friesians/Ayrshire/Jersey/Guernsey
15. By making the string light/By tightening the string.
16. Ironing of clothes helps to kill parasites in the clothes/It also kills germs in the clothes.
17. It protects tree seedlings against bad weather/makes control of pests easy.
18. Coniferous plants/conifers.
19. Both undergo external fertilization.
20. Physical change
21. Polio vaccine is administered by drops in the mouth while BCG is administered by injection in the right upper arm/Polio vaccine is administered orally while BCG vaccine is administered by injection.
22. To allow uniform distribution of fats/To promote sheep's hygiene.
23. Sun drying drains moisture content from the cereals/reduces water in the food.
24. Sweeping away still water/Removing broken pots and bottles/Slashing tall grass.
25. Tasting/taste
26. Splints keep the broken bones in one position in the body/Splints prevent broken bones from damaging the flesh.
27. Animal dung/animal urine/cow dung/goat droppings/sheep dung/kitchen hold refuse.
28. Muscles protect body organs/muscles store oxygen/muscles help in doing heavy work.
29. Filtration does not kill germs in water/Filtered water may contain germs.
30. Artificial fertilizers damage soil structure/easily lead to soil leaching.
31. Covering prevents fresh air from entering that drives out the bad smell.
32. Due to upthrust in water/Water has upthrust force/Due to buoyancy.
33. Sand soil/sandy soil/sand
34. Static electricity
35. Freely suspended magnet points in the North – south direction.
36. Humerus
37. Allows movement in one direction/Allows movement in one plane/allows movement to and fro/Allows movement in 180° .
38. Records help to know the profits and losses/number of animals/feeding costs.
39. Some plants provide us with food/Plants provide us with fuel/Some plants provide us with timber.
40. Both protect themselves by stinging the enemies/Both sting the enemies.
41. a) Bad peer groups/Poor social environment/Broken homes/idleness
b) Drugs cause madness/Some drugs cause diseases like lung cancer.
c) Self - awareness/self - assertiveness/confidence/creativity/peer resistance/coping with stress.

42. a) (i) X – simple cell/wet cell.
(ii) Y – dry cell
b) Direct current electricity (DC)
c) Electric cell Y is portable while X is bulky/Y produces more electricity than X/Y is used in all positions while X is used in the upright position.
43. a) (i) Amphibians/fish
b) By Laying unfertilized eggs.
c) By practising controlled fishing/By avoiding use of chemicals to kill fish/By using recommended fishing nets.
44. a) Crude oil/petroleum/coal
b) Coal is used to produce thermal electricity/Coal is used as a fuel in steam engines/Petroleum is used to produce fuels like paraffin/diesel.
c) By recycling metal scraps/recycling plastics/reusing old jerrycans/bottles/using liquid fuels sparingly.
45. a) (i) Windy weather (ii) Sunny weather
b) Rain gauge
c) Forecasting helps to plan for the seasons/to plan for farm activities.
46. a) Farm yard manure (FYM)
b) Provide more nutrients/Maintain soil structure/Cheap to get/Last for long in the soil.
c) By burying poison in the soil/Dumping polythene papers in the soil/Pouring chemicals in soil.
47. a) V – pulley
W – Inclined plane
b) Used when climbing tall/High buildings/Helps in roofing houses.
c) By making it longer/By increasing the length of the effort distance.
48. a) Oxygen
b) – Lungs expand to create space for inhaled air.
- Ribs move upwards and outwards to create space for the lungs.
c) Tobacco smoking leads to lung cancer/emphysema/Damages the lungs.
49. a) To reduce transpiration/Reduce the weight of the plant/To remove hiding places for pests.
b) pruner/panga/pruning saw/secateur
50. a) athletes foot/impetigo/eczma
b) Dredging water sources/Digging around water sources/Picking rubbish around water source/Fencing wells.
51. a) - Uterus – implantation
- oviduct – fertilization/conception
b) sweat glands become more active/Growth of pubic hair.
52. a) milk/skins and hides/meat/beef/horns/bones/hooves
b) A lactometer helps to detect water in milk while a strip cup helps to detect mastitis in milk.
c) rinderpest/foot and mouth disease/Pneumonia.
53. a) Radiation
b) Drying harvested crops/sun bathing.
c) Heat makes a metal to expand/Heat makes metal to become hot/May cause melting.
54. a) Tongue rolls food/Tongue mixes food with saliva/Sends food to the gullet.
b) Drinking enough water/Chewing food properly/Eating clean food/Eating food with roughages.
55. (i) Immunisation - controls death of infants.
(ii) Personal hygiene – controls skin diseases and bad body smell.
(iii) Family planning – checks on the population size.
(iv) Health education – teaches people good health lifestyles.