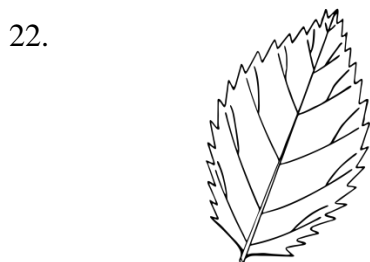


MARKING GUIDE

1. Carbon dioxide
2. Kinetic energy
3. Washing them with clean water
Putting on goggles in dusty places
4. Plants get carbon dioxide for photosynthesis
5. Due to overcrowding in the hive
Due to direct sunlight into the hive
When a new queen bee is born
Due to death of the queen bee
6. Mad dogs/ rabid dogs
7. Freezing
8. Trowel
9. It is used for transplanting
10. By draining away stagnant water.
By sleeping under a well treated mosquito net
11. Skin
12. Drug abuse leads to anti-social behaviours in the community
It leads to death of important people in the community.
13. To prevent tetanus infection
14. Polio
15. They will attract each other
16. By keeping its unlike poles together
By keeping them while facing in North South direction
17. Ovary
18. By biting
19. Biological changes are irreversible while physical changes are reversible
Biological changes form new substances while physical changes do not form new substances.
20. Melting / condensation /freezing
21. Both reproduce by means of spores



23. It attaches the leaf to the tree branches / stem.
24. Corolla
25. Muscles help in body movement
Muscles help us to do heavy activities
26. These are substances that can allow electricity to flow through them.
27. Iron /distilled water/ wet wood/ aluminium
28. Forests are habitat for some animals.
Forests help in rain formation
29. By enforcing laws against deforestation
30. It leads to early marriage.
It may lead to obstructed labour
It leads to school dropout
31. By abstaining from sex until marriage.
32. Optic nerve
33. It focuses light rays on to the retina.
34. Milk teeth
35. Calcium makes the teeth strong.
36. Germs are tiny living organisms that cause diseases.
37. By washing hands with clean water.
38. To remove remaining food particles from the teeth.
39. The broken bone pierces the flesh/ swelling around the injured part
40. To save life / to prevent further injuries/ to promote quick recovery/ to stop bleeding

SECTION B

41. a) It reduces body weight/ it makes joints flexible/ it makes food digestion easy/ it makes heart muscles grow stronger.
b) In the skull
42. a) Pneumonia/ coccidiosis/ snuffles/ ear canker
b) Diarrhoea/ shivering/ difficulty in breathing/ rough fur
43. a) Wind pollinates flowers of farmers' crops.
Wind helps in winnowing of harvested crops.
b) Anemometer
c) Barometer is used to measure air pressure.
44. a) Sweeping rubbish in the compound.

Proper disposal of rubbish

b) Bathing regularly

Brushing teeth regularly

c) Germs from the latrine will remain on the hands.

d) By scrubbing the latrines/ by smoking

45. a) P- carbon rod

Q- Mixture of powdered carbon and manganese dioxide

R- Ammonium Chloride paste

46. a) By salting/ by sun drying/ by smoking

b) Protein

47. a) Through sound waves.

b) Sound aids communication

Sound is used for entertainment

Sound is used to scare away some crop pests

c) By tightening the strings/ by shortening the strings.

48. a) F- Malleus/ hammer

G- Auditory nerve

b) E- Collects sound waves

H- Equalizes air pressure on both sides of the ear

49. a) Friction is the force that opposes motion between two surfaces in contact.

b) Friction helps us in writing.

Friction helps in movement.

Friction helps in sharpening of metallic tools

c) Friction causes unnecessary heat and noise.

It slows down work.

It leads to breakdown of machines.

d) By lubricating the movable parts of the machine/ by using ball bearings/ by using rollers
Making rough surfaces smooth

50. a) Fixed movable pulley

b) M. A = $\frac{L}{E}$

$$\begin{array}{r} 2 \\ 40\text{kg} \\ \hline 20\text{kg} \\ 1 \end{array}$$

M. A = 2

c) In hoisting flags onto flag poles

In scaffolds when painting tall buildings

They are use in breakdown cars

51. a) S- Incident ray

T- Refracted ray

b) The refracted ray bends towards the glass.
The speed of the light rays change.

52. a) Excretory system

b) Liver excretes bile pigment

It detoxifies harmful substances in the body

Liver produces heat in the body.

It regulates the level of blood sugar.

It stores some vitamins

It produces bile juice.

c) Alcoholism

53. a) U- Stigma

V- Anther

b) W- It protects the flower at bud stage.

X- It develops into a seed after fertilization.

54. a) Fever / headache/ muscle pain/ loss of appetite

b) Tiger mosquito

c) Draining away stagnant water.

Pouring oil on surfaces of stagnant water

Rearing fish in fish ponds

55. a)



b) Feathers keep birds warm

Feathers protect birds from mechanical injuries.

Feathers provide warmth for incubation

c) Feathers are used for making cushions.

Feathers are used for making pillow

Feathers are used as costumes.

END

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