

1) Birds singing ✓ baby crying ✓ cow mowing

✓ snake hissing

✓ A goat bleating

✓ Storms

✓ Insects

(2) Air can be compressed

✓ Air exerts pressure ✓ Air occupies space (3) To prevent backflow of blood to the human heart. (4) Using suckers.

(5) **Both alpine and saanen goats are kept for milk production.**

(6) Gravity//gravitational force.

(7) Spraying rabbits using a acaricides.

(8) Clay charcoal stoves reduce uses less charcoal hence reducing on deforestation.

(9) Ovum//egg.

(10) A zygote is formed

✓ Embryo is formed.

(11) Porridge.

12) It's easy to identify sick birds and normal ones.

✓ It's easy to treat unhealthy birds through vaccination. ✓ Few birds are kept in each cage.

(13) should be effective.

✓ should be readily available.

✓ should be easy to administer.

✓ Should have important curative value .

✓ Should have less side effect.

(14) They add humus to the soil by breaking organic matter.

✓ fungi helps in the decomposition of organic matter.

(15) Loosen all tight clothes from the child's body

✓ Lie the child on the ground with the head facing upwards

✓ Raise the child's legs above the head to allow blood flow to the head.

16) They spread river blindness to people.

17) Due to expansion caused by hot weather on hot days.

18) Vent pipe.

(19) In case a mother has severe breast cancer

✓ In case a mother has AIDS

✓ In case a mother is dead

✓ When the mother's breasts do not produce enough milk.

(20) Use pills for treating breast cancer

(20) Has cilia for trapping dust in the air

✓ Has mucus for moistening the air before reaching the lungs.

(21) Ropes

✓ Sacks. ✓ Ropes.

(22) Cattle can easily destroy farmer's crops in the garden.

23). To dry the clothes.

✓ To kill some germs and external parasites.

✓ To drain water in clothes.

✓ To dehydrate clothes.

24. Artificial fertilizers destroy the soil structure.

✓ Artificial fertilizers cause water pollution.

✓ Artificial fertilizers provides few nutrients.

25). They are non exhaustible.

✓ they can be replaced once used.

✓ They can be used over again and again.

26. Melting is reversible.

✓ melting can be reversed.

✓ No new substance is formed.

27. SARS ✓ COVID 19.

✓ Tuberculosis.

✓ whooping cough.

28. To devour her children.

28. To deworm her children.

✓ To feed her children on well prepared meat.

29. A salamander has a backbone.

✓ A salamander has spine.

✓ A salamander has vertebral column.

30). 5 month (150 days)

31. Communicable diseases are diseases that can spread from one infected person to the healthy one.

32). Oranges

✓ Lemons

✓ mangoes.

33). Sight ✓ seeing.

34). Bacteria ✓ fungi.

35). By spraying insecticides to kill white flies

✓ By uprooting diseased crops.

✓ By spraying fungicides to kill harmful fungi.

36). Mechanical digestion.

37. It leads to child abuse.

✓ It can lead to domestic violence.

✓ imlt can lead to poverty.

38). Rickets.

39). Red blood cells transport oxygen to the body cells.

40). Cats eat rats// cats feed on rats// cats kill rats.

SECTION B

41a) Earthquakes

- ✓ landstom.
- ✓ Wind movement
- ✓ Drought.
- ✓ Hail storms

b)Floods cause soil exhaustion leading to low crop production.

- ✓ floods destroy farmers crops.
- ✓ Floods destroy roads used to transport harvested crops.

c)Avoiding swamp drainage

- ✓ Staying in areas with good drainage.
- ✓ Creating water channels
- ✓ Practice afforestation.
- ✓ Through controlled mining.

42a)Box hive/ box bee.

(b)Prevents the queen bee from laying eggs in the honey chamber.

- ✓ prevents the queen bee from eating honey.
- ✓ separates the honey chamber from brood chamber.

(c) Inspection of bee colony is easy.

- ✓ Clean honey is harvest.
- ✓ It's easy control absconding.
- ✓ it's long lasting.

43a) AIDS.

(b) Severe sweating mostly at night

✓ Chronic dry cough.

✓ Loss of BODY weight.

c) Through immunisation with BCG vaccine on the right upper arm.

✓ Taking children for immunization.

44a) P- Auditory ossicles

Q- Semicircular canal.

(b) Otitis

✓ Ear infection.

✓ Otalgia

✓ Herpes zoster

✓ Ear boils.

(c) Through ear syringing.

✓ Feeding on foodstuffs rich in balanced diet.

✓ Avoid dusty places

✓ Avoid noisy places

✓ Avoid using sharp and piercing materials when cleaning ears

✓ Wash the ears with clean water and soap.

✓ Cleaning the ears with soft buds.

✓ Going for regular medical checkups.

✓ Visit a health worker in case of any ear problems.

✓ Drying the ears after bathing.

45a) Volcanic eruption.

✓ Hot spring.

(b) Heat is measured in joules while temperature is measured in degrees

✓ Heat is the rise in temperature of matter yet temperature is the degree of hotness or coldness

✓ Heat is measured using a calorimeter unlike temperature which is measured using a thermometer.

✓ Heat is a form of energy that increases the temperature of matter while temperature is the degree of hotness or coldness of an object.

46 a). Artificial insemination.

b). It prevent the spread of venereal diseases in animals.

✓ Sperm from dead animals can still be used.

✓ Controls breeding.

c). It can only be done by trained personnel.

✓ it's difficult to identify a cow on heat.

d) Cattle crush.

47 a). Sunshine

✓ Wind blows

✓ Temperature.

✓ Rain.

✓ Humidity.

✓ Cloud cover.

✓ Air pressure.

b). It helps farmers to know when to plant or harvest.

✓ It helps farmers to know the right crop to plant in a given area.

c) Barometer.

48a I). Stem tuber.

iii). Cassava ✓ turnips

✓ sweat potatoes.

iii). White yam ✓ Irish potato.

49 a). Mosquito M.

b). The spiracles are covered with water.

✓ The spiracles are blocked with water hence no breathing.

c). Yellow fever.

d). A mosquito undergoes complete lifecycle while a cockroach undergoes incomplete lifecycle.

50 a). Using poison to fish

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✓ Excessive use of artificial fertilizers.

✓ Dumping industrial waste in water sources.

✓ Channeling human wastes into water bodies.

b). By carrying out farming along river banks.

✓ By carrying out swamp drainage.

c). Avoid farming along river banks.

✓ Planting trees along river banks.

✓ Stop farming from water catchment areas.

51 a i). Humus.

ii). Soil organisms.

b). Bacteria help in decomposition of organic matter.

c). Planting trees

✓ Planting short grass.

✓ Practising crop rotation.

✓ By practising mulching.

52 a). Watering.

✓ Manuring.

b). A shade protects the seedlings from too much rainfall.

✓ A shade protects seedlings from strong sunshine.

53 a). Passive smoking.

53 a). Passive smoking.

b i) ✓ spread of some respiratory diseases.

ii). May cause some diseases like lung cancer, emphysema, bronchitis.. ✓ worsens some respiratory diseases like tuberculosis.

✓ leads to underweight babies.

✓ leads to self neglect.

✓ leads to premature birth.

c). Alcohol.

✓ Caffeine.

✓ cocaine.

✓ mirra.

✓ marijuana.

✓ jet fuel.

54 a). Oxen.

b). Giving them food, water..

✓ treating them when sick.

✓ providing them with shelter.

c). It can lead to spread of some diseases.

✓ it can lead to bad smell in the house.

✓ it can lead to suffocation.

✓ Animals can break and destroy some utensils.

55 a). Nitrogen fixing bacteria

✓ adding nutrients to soil.

b). Purifying bacteria.

✓ decomposition of organic matter.

c). Yeast.

✓ fermentation of alcohol.

d). Pencillium.

✓ making antibiotic drugs.

COMPILED BY TR.

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19:00