

SIPRO EOT 3 SCIENCE MARKING
GUIDE - 2023 DEVELOPED BY
TEACHERS OF SCIENCE @ HAND
AND 21st CENTURY PLATFORM.
SECTION A (40 MARKS)

1. Clay soil.

Reject: Sand soil.

2. Vitamins Mineral salts Roughages
Water.

Reject: Carbohydrates.

3. Mosquitoes (Anopheles mosquito)

House fly. Cockroach Bedbug

Lice.

Reject: Mad dogs.

4. Enables people to dry harvested
crops

Enables people to dry washed
clothes.

Provides people with warmth.

Helps in rainfall formation.

Reject: Dries people's crops.

5. Mulches conserve moisture in a
tomato garden.

Mulches improve on soil fertility in a
tomato garden.

Mulches controls soil erosion in a
tomato garden.

Reject: Mulches control pests.

6. Twining Clasping.

Reject: Using tendrils.

Reject: Using tendrils.

7. Broilers are mainly kept for meat production while layers are mainly kept for egg production.

8. I would advise the mother to feed her child on food stuffs rich in vitamin A.

Reject: Vitamin C.

9. Cotyledon supply food to the growing embryo.

Cotyledon provides food to the seedling before developing foliage leaves.

Reject: Cotyledon stores food for the embryo.

10. Earthworms aerates the Soil

Earthworms aerates the Soil by creating tunnels (burrows).

Earthworms make tiny holes in the soil for easy entry of air.

Reject: Earth worm.

NB: Earthworms is written as one word not two separate words.

11. Rake//Garden rake.

12. The above garden tool is used for leveling the soil in the garden.

The above garden tool is used for spreading manure in the garden.

The above garden tool is used for collecting dry plant materials in the garden.

Reject: The above garden tool is used for collecting rubbish.

NB: you can't expect rubbish to be in the garden. A teacher must teach the learner how to interpret questions and remember our question is addressing to the crop farmer not at home.

13. By giving the person ORS.

By giving the person a lot of fluids.

By feeding the person on a lot of fruits.

Reject: By eating food.

14. Open Windows and doors leads to entry of mosquitoes.

Open windows and doors leads to entry of dangerous animals like snakes.

Reject: open doors and windows leads to coldness

15. Diphtheria.

Reject: Goitre/Goiter.

NB: Goitre/ Goiter is not an immunisable diseases but the quest is asking for the immunisable disease not the disease that causes swelling of the neck.

16. Heat energy.

17. A feather is less dense than water.

A feather is lighter than water.

A feather has less density than water.

Reject: A feather is less dense.

18. Water and sanitation.

Reject: Sanitation//Water alone.

19. Beak//Wings.

Reject: Legs.

20. Dipping scaled leg in clean cold water.

21. In the mouth// mouth. Stomach.

Reject: Duodenum.

22. Air has weight.

23. Balloon A is filled with more air which makes it weigh more than balloon B.

Balloon A is heavier than balloon B.

Balloon at A has more air than balloon B.

24. Through prolonged breastfeeding.

Through placenta from the mother to the unborn baby.

Through recovering from sickness.

Reject: Through immunization.

25. Earthworms. Termites. Bacteria.

Snakes. Fungi. Millipedes.

Reject: Plants.

Protozoa.

26. By changing the body colour.

Through camouflaging.

27. Queen excluder.

Reject: Wire mesh and excluder alone.

28. Crop farmers used poultry droppings as manure in the garden.

Crop farmers used poultry droppings for making farmyard manure.

29. By brushing the teeth after every meal.

By rinsing the mouth with clean water.

By dental flossing the teeth.

30. A solute.

31. Ovary.

32. Incisor teeth.

33. Long fingernails leads to eating of germs

long fingernails harbour germs.

Long fingernails leads to eating of germs.

Long fingernails leads to skin injuries.

34. Stones and metals have close packed molecules.

Stones and metals have closely packed molecules.

Stones and metals have definite shapes.

35. By planting stem cuttings.

36. Dustbins are used for proper disposal of rubbish.

Reject: For keeping rubbish.

37. Bushy areas act as hiding places for dangerous animals.

Bushy places act as hiding places for mosquitoes.

38. Food like carbohydrates provides energy to the body of p.5 child.

Food like proteins build the body of p.5 child.

food like mineral salts protects the body from diseases.

39. Poor disposal of faeces lead to easy spread of diarrhoeal diseases.

Faeces are breeding places for Houseflies.

Faeces attract vectors.that spread diarrhoeal diseases.

40. Most fungi reproduce by means of spores while bacteria reproduce by means of binary fission.

SECTION B (60marks)

41. a). Fracture//Fracture on the leg.

Serious sprain on the leg.

Fracture at the backbone.

b). First aid tool above is too big.

First aid tool is too long to fit in first aid box.

c). It leads to more infections due to presence of germs

Germs may contaminate or enter the wound.

d). Pole Ropes Sack String Piece of cloth papyrus.

42 a). Clay soil sand soil.

b. loam soil contains a lot of humus

loam soil contains balanced particles of sand and clay.

Loam soil has nutrients needed for crop growth.

c) By planting short grass.

By planting trees.

By cementing.

Reject:By mulching/Terracing.



Message



43 a). Gaseous state/Gas.

b). Heat energy.

c). Smoke Steam perfume.

44 a). Practice B.

Reject: Pruning.

b). pesticides

Herbicides.

c). To prevent competition for nutrients by both crops and weeds
To reduce on hiding places for crop pests.

d). By weeding the crops.

By practising crop rotation.

By putting scarecrows in the garden.

45 a). Tuberculosis.

Reject: Measles.

b) Bacteria.

Reject: virus.

c). By feeding the children on foodstuffs rich in a balanced diet.

By encouraging infants to sleep under treated mosquito net.

By grooming infants fingernails

46.i). Tooth paste.

kills germs in the mouth.

ii). Razorblade.

For grooming fingernails.

iii). Towel.

For drying the skin after bathing.

iv). Handkerchief.

For wiping sweat from the face.

47 a). Nests

47 a). Nectar sugar wastes.

Reject: Bees wax/ honey

b). Bees products are source of income when sold.

Bees provide honey used as medicine.

Bees help in pollination of crops/ flowers.

Bees provides honey eaten as food.

Bees provides beeswax for making some products like candle wax.

Bees provides bee venom used for making anti venom drugs.

48 a) Light energy. Heat energy

b). The candle is cheap to buy.

The candle is affordable to people in rural areas.

The candle is easy to access by the people in rural areas.

c). Oxygen.

49 a) Food rich in protein.

49 a). Food rich in proteins help in body growth.

Food rich in proteins repair worn out body tissues.

Food rich in carbohydrates provides energy to the body

Food rich in vitamins protect the body against diseases.

Reject: Food makes people happy.

b). Vitamins.

Reject: Carbohydrates.

c). It leads to deficiency diseases.

Leads to stunted growth.

Leads to general body weakness.

50 a). Exotic breeds.

b). Accept:

Rabbits needs less attention.

Rabbits are cheap to manage.

Rabbits needs a small piece of land.

Reject:

Rabbits provide meat.

Rabbits provide fur.

Rabbits provides. droppings

c). By regular vaccination of rabbits.

By regular cleaning of the rabbits hutch.

We get fur from rabbits.

Note: The question needs the advantage of keeping rabbits not the importance of rabbit keeping.

51a) Complete lifecycle

importance of rabbit keeping.

51 a). Complete lifecycle.

REJECT.

Complete metamorphosis.

b). Stage A.

c). Stage C.

d) Stage marked D is pupa.

52 a). Lungs Heart.

b). By feeding on foodstuffs rich in a balanced diet.

By doing regular physical body exercises.

Going for regular medical checkups.

53 a). Irregular objects.

b). The water should be at the level of 15cc.

c). Object marked Q has an irregular shape.

Object Q has no definite shape.

Object Q has improper shape.

c) Kilograms.

REJECT.

Grammes.

54 a.(i) Liver.

(ii) Stomach walls//stomach.

b). Bile juice breaks down fats into water droplets.

Bile juice emulsifies fats.

c). By chewing food properly.

By doing regular physical body exercises.

By drinking plenty of fluids.

By eating food rich in roughages.

By eating plenty of fruits.

Reject:By eating roughages

55 a). AIDS.

b). AIDS kills Say no to sex till marriage.

Abstain from sex till marriage.

Avoid bad touches.

Aids is incurable.

c). By displaying the PIASCY messages around the school compound.

Listening to music about PIASCY/ AIDS.

By watching TV programs on PIASCY.

Through teaching.

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