

KAZO P.7 SCIENCE MOCK MARKING GUIDE, 2023

SECTION A

1. The heart.
2. Air is a mixture of gases while wind is air in motion.
3. Sleeping under treated mosquito nets / Slashing tall grass in the compound / Boiling water for drinking / Covering cooked food.
4. WASH - Water Sanitation and hygiene.
5. Sorting.
6. To increase electric resistance.
7. Sickle.
8. Natural Immunity.
9. Prop roots.
10. It provides extra support to the maize plant during flowering stage.
11. Tetanus Toxoid vaccine. (T.T vaccine)
12. Wall / Human body / Stone / Wood.
13. To pick oxygen.
14. To prevent contraction of sexually transmitted diseases / To prevent early pregnancy.
15. A capon.
16. Weeds are unwanted plants in the garden.
17. Evaporation / Condensation.
18. It spreads rabies to people / It causes bites.
19. Humus is formed by decomposition of organic matter.
20. To save life / To reduce pain / To stop bleeding.
21. Machines reduce the effort needed to do work / Machines increase the speed of doing work / They change the direction of force.
22. Matter exerts pressure.
23. Matter has weight / Matter occupies space.
24. At the tips of roots and shoots.
25. To protect them from dogs / To protect them from predators.
26. Babies / Elderly / Pregnant women / The sick.
27. By changing its colours / By camouflaging.
28. To control soil erosion.
29. It does not pollute the environment / It reduces on the massive cutting down of trees for wood fuel.
30. Ossicles.
31. Mohair / Wood / Skins and Hides.
32. Canine tooth.
33. It is sharp and pointed / It is strong and hard.
34. An alloy is a mixture of two or more metals.
35. Calcium / Phosphorous.
36. Screen / Vent pipe.
37. By wearing face masks / By washing hands regularly with clean water and soap / By maintaining a social distance.
38. To prevent user's hands from being burnt.
39. Moth.
40. For meat.

SECTION B:

- 41.(a) Dehydration is the condition in which a person lacks enough water in the body.
- (b) Dry lips / Sunken eyes / Little or no urine.
- (c) I would advise her to give the child O.R.S / I would advise her to give the child plenty of fluids to drink.
- 42.(a) Clay soil.
- (b) It has big particles / It drains water fast / It has large air spaces.
- (c) Loam soil has humus / Loam soil has well balanced nutrients.
- 43.(a) (i) A crow bar / Weighing scale / Lid opener.
- (ii) A pair of scissors / Pincers / See saw / Pair of pliers / Claw hammer / Human head.
- (b) Load x Load arm = Effort x Effort arm
 $30\text{kgf} \times y\text{m} = 60\text{kgf} \times 3\text{m}$
 $30y = 180$
 $\frac{30}{30} = \frac{180}{30}$
 $y = 6\text{ metres.}$

(2marks)

- 44.(a) Fungi kingdom.
- (b) Cap.
- (c) It produces and stores spores.
- (d) It lacks chlorophyll.
- 45.(a) Environment means all things that surround people.
- (b) Air.
- (c) Animals get food from plants / Animals get oxygen from plants / Animals get herbal medicine from plants.
- 46.(a) To relax and pass time / To concentrate on their work / To feel warm / Young people smoke to look mature.
- (b) Carbonmonoxide gas.
- (c) Smoking causes addiction.
- 47.(a) Z - Transparent object.
- (b) Air / Clear glass / Spectacles / Clear still water.
- (c) Light is used in x-ray machine to observe internal body organs / Light is used when taking photographs / Sun light provides animals with warmth / Sunlight enables our skin to make vitamin D / We use artificial light on the street to control traffic / It enables man to see.
- 48.(a) Magnetism is a force in a magnet which enables it to attract other magnetic materials.
- (b)(i) To find direction of places.
- (ii) To remove tiny magnetic objects from the victim's eyes.
- (c) It cannot be attracted by a magnet.
- 49.(a)(i) For milk production.
- (ii) For meat production.
- (b) Local breeds are resistant to diseases than the exotic ones / Local breeds are tolerant to harsh weather conditions than the exotic ones / Local breeds can survive on little pasture and water than the exotic ones.
- 50.(a) A - vertebrates.
- (b) All have backbones.
- (c) Both undergo internal fertilisation / Both breathe through lungs / Both are warm blooded vertebrates.
- (d) Frogs / Toads / Salamanders / Newts.
51. (a) A- Renal artery.
- (b) In part C.
- (c) To the urinary bladder.
- (d) The rate of sweating is low.
- 52.(a) A wool lot is a small piece of land set up for growing trees.
- (b) Firewood / Timber / Charcoal / Electric poles.
- (c) Trees provide shade / Trees act as wind brakes.
- 53.(a) Displacement method.
- (b) Volume = 2nd level - 1st level
 $= 20\text{cc} - 10\text{cc}$
 $= 10\text{cc.}$
- (c) Keys / Mango fruit.
- 54.(a) Personal hygiene is the cleanliness of one's body.
- (b) Slashing around the compound / Collecting away rubbish / Sweeping the compound / Washing the latrines.
- (c) To remove germs on the hand.
- 55.(a) Red blood cells - To transport oxygen in the body.
- (b) White blood cells - To fight disease causing germs.
- (c) Blood plasma - To transport digested food.
- (d) Blood platelets - To stop bleeding by clotting the blood.

END