

KOLFRAM EDUCATIONAL SERVICES KAMPALA

PRE MOCK SCIENCE SET VII ASSESSMENT MARKING GUIDE 2024

SECTION A

1. By brushing teeth, rinsing mouth/By flossing teeth, Going for dental checkup
2. Keeping animals in game parks, reserves, avoiding poaching
3. Study of population/study of the changing number of births, deaths and diseases affecting people in a community.
4. A hutch is a habitat for a domestic rabbit while a burrow is a habitat for a wild rabbit.
5. Endocarp
6. To avoid wilting of plants due to transpiration
7. It reduces the rate of deforestation/it reduces the rate of pollution.
8. Concave lens/diverging lens
9. Matter has weight/occupies space
10. A bat feeds, grows, respire, excretes (reject has life)
11. Using dogs to control monkeys in cassava garden/using cats to control rats in a store.
12. They simplify work/increase rate of doing work
13. By vibration of air in the rings of cartilage
14. It is used to test for mastitis in cattle
15. It leads to spread of diarrhoeal diseases
16. There is enough sunshine to dry harvested crops
17. They absorb food using their body
18. Mosses make their own food while mushrooms absorb food from decayed matter
19. To reflect heat and keep their bodies cool
20. Wood ant, black ant, red ant, bears, varroa mites
21. Poland, china – land race, Saddle back, Large white
22. Lungs excrete carbon dioxide/water vapour from the body
23. It reduces infant mortality rate/It prevents children from the childhood killer diseases
24. Plants/Animals
25. Reduces hiding places for pests/Reduces weight of the crop/Enables plant to get enough sunlight/Makes harvesting, spraying easy/Reduces competition for nutrients

$$26. \quad {}^0F = \left(\frac{9}{5} x {}^0C \right) + 32$$

$$\left(\frac{9}{5} x 90 \right) + 32$$

$$9 \times 18 + 32$$

$$162 + 32$$

$$194^0F$$

27. Measuring cylinder

$$28. \quad D = ? \quad M = 75gm$$

$$V = 2^{nd} \text{ level} - 1^{st} \text{ level}$$

$$= 35cc - 20cc$$

$$= 15cc$$

$$D = \frac{M}{V}$$

$$= \frac{75gm}{15cc}$$

$$= 5g/cc$$

29. Through newspapers, radios, television, drama/plays

30. A freely suspended magnet rests in the North-south direction

31. A frog breathes through lungs on land and moist skin in water

32. Poultry droppings are a source of manure

33. Fats and oils

34. Bilharzia flukes/Sehistosome

35. The sun heats water in the water body causing evaporation

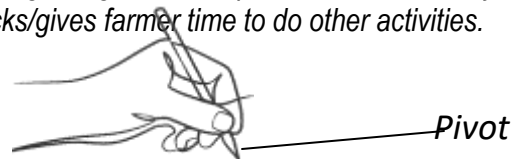
36. By producing sweat/vasodilate leads to heat loss by radiation

37. For food/for shelter

38. Animals are denied right of mating/Animals may bleed and die/Animals wounds may become septic and lead to infection

39. Gives pasture time to grow/controls overgrazing/controls spread of diseases by ticks/gives farmer time to do other activities.

40.



SECTION B

41. –
 (a) Anthrax/foot and mouth disease/foot rot/ mastitis/pneumonia
 (b) Goats have low water demand/Goats feed on almost any vegetation/Goats are more tolerant to harsh conditions
42. –
 (a) X – Gill bar C – Gill rakers
 (b) B – it is where exchange of gases takes place.
 (c) They are used by a fish for breathing.
43. –
 (a) For food – for herbal medicine/For shelter/ For oxygen
 (b) For support/For humus from leaves
44. –
 (a) Bacteria reproduce by means of cell division while fungi by spores/Bacteria cannot be seen by naked eyes while fungi are seen by naked eyes/Bacteria cannot be eaten while some fungi are eaten as food.
 (b) Ironing clothes/Boiling water for drinking/Reheating leftover food/Drying clothes under the sun
45. –
 (a) Heat is a form of energy that causes rise in temperature
 (b) Convectional currents help in boiling of water/Convection keeps a charcoal stove burning/It drives out bad smell from the vip latrine/It keeps a lit cigarette burning/it drives out smoke from the kitchen chimney/It drives bad smell from environment
 (c) Solids
46. –
 (a) Single fixed pulley
 (b) Shown
 (c) Drawing water from well raising flags/drawing curtains/painting high raised building/loading & offloading metals, scrap
47. –
 (a) Coal
 (b) Atomic/Nuclear electricity
 (c) Hot springs
 (d) Solar electricity
48. –
 (a) Is the chemical breakdown of food to release energy.
- (b) Body cells
 (c) They contract/Volume of chest increases
49. –
 (a) Plasmodia destroys Red blood cells leading to anaemia
 ii. HIV destroys white blood cells leaving body defenseless against disease germs.
 (b) Doing regular body exercises/Eating foods with low animal fat/Eating foods rich in iron.
50. –
 (a) i. Hydrostatic skeleton
 ii. Endoskeleton
 (b) joints help in movement
 (c) a ligament joints a bone to a bone while a tendon joins a bone to a muscle.
51. –
 (a) Food provides energy to the body/Repairs worn out body cells/Food keeps the body healthy/Food distributes heat to all body parts
 (b) To show hospitality, due to hunger, it's a habit/To keep health (consider 5H)
52. –
 (a) Smoking causes still birth/smoking causes premature birth/causes low birth weight
 (b) Alcohol, marijuana, miira
53. –
 (a) V - Reflected ray
 W – Smooth plane surface
 (b) \angle of incidence = Angle of reflection
 $X + 35 = 90$
 $X + 35 = 90 - 35$
 $X = 55^\circ$
54. –
 (a) Toilets are expensive to maintain/They easily get blocked when hard substances are uses/Need constant water supply
 (b) VIP latrine has a screen while a conventional doesn't have a screen/VIP latrine has a vent while conventional doesn't/VIP latrine does not smell badly while a conventional smells badly.
55. –
 (a) Milk teeth, Permanent teeth
 (b) Iron clothes/washing clothes/bathing/ washing hands before and after/washing hands after visiting a toilet