



RAPHA EXAMINATIONS BOARD

P.7 EXAMINATION 2024

REAL MOCK SET 1

MARKING GUIDE FOR INTERGRATED SCIENCE

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SECTION A (40mrks)

1. Irregular brushing of teeth // Smoking
2. Cockroach // Housefly
3. For removing remaining food particle in the mouth // For brushing teeth
4. Growth of pubic hair in humans // Growth of beard // Growth of breast
5. Reptiles // Amphibians // Fish
6. Cartilage
7. Part Q joins a bone to another.
8. Merino sheep // Bluefaced Leicester // Romney sheep
9. Sinking objects
10. Clay soil in the ear canal
11. Wax traps dust // Wax kills germs in the ear canal.
12. By weeding // By thinning // By watering // Providing shelter
13. Molars have flat tops for crushing food // The ridge broad top
14. Rearing fish in ponds // Pouring oil in still water
15. Rickets
16. Earth worm
17. Helps in decomposition // Helps to aerate the soil.
18. Essential drug should be cheap // Should be safe to use.
Should be affordable // Should be accessible.
19. By planting trees in a school compound // By planting grass
Proper disposal of rubbish // Proper disposal of human waste.
20. Plants get carbon dioxide from animals
Plants get manure from animals.
21. Non renewable resources can not be replaced when used up
22. Blood transports oxygen // Blood transports dissolved food
Blood transports hormones // Blood defends the body against infection.

- 23 To refresh the mind // To relax the mind // To rebuild the mind.
- 24 Millet have a hard testa to protect them from digestive juices.
- 25 Chemical energy changes to heat and light energy.
- 26 By radiation
- 27 Heat energy // light energy
- 28 To cool down the temperature of the scalded part
- 29 Air breathed through the mouth is not filtered
Air breathed through the mouth is not warmed.
- 30 Hepatitis A
- 31 Birds are sold for income
Birds provide meat to people
Birds provide eggs to people.
- 32 Pneumonia
- 33 By increasing the number of dry cells in the circuit.
- 34 Due to strong bond between molecules of ~~by~~ water
- 35 Chlorophyll // Sunlight
- 36 Irish potato // Coco yam // ~~Green~~ White yam
- 37 Poultry vices are bad practices // habits in poultry
- 38 They promote reproductive health // They promote care for AIDS patients.
- 39 By sieving // knapping / Air separation // Density separation
- 40 ~~Kidney~~ Sorting by hands / hand picking
- 40 Kidney.

SECTION B (60 marks)

- 41(a) Air is a mixture of gases
- 41(b) Argon || Neon || Helium ||
- (c) Wind is used for winnowing || Wind dries wet clothes
Wind is used to turn windmills || Air is used for respiration
- (d) By planting trees || By planting grass
- 42(a) Housefly
- (b) Stage D
- (c) Stage B moves while stage C does not move.
Stage B feeds while stage C does not feed
- (d) Complete life cycle.
- 43(a) Careless running || Playing on roofs || Playing with fire
falling from a tree || Body contact with hot metals
- (b) Avoid careless running
By putting cooking places on a raised ground
Avoid climbing trees
Avoid playing with cutting objects
- 44(a) Bats have mammary glands
Bats have fur on their bodies
Bats give birth to live young ones.
- (b) Bats have fur on their bodies while birds have feathers on their bodies
Bats reproduce by giving birth to live young ones while birds reproduce by laying eggs
Bats have mammary glands while birds lack mammary glands.

45 (a) Through interviews

Through questionnaires

Through observation

45 (b) Help government to know health status of its people

Help government to provide health services to its people

Help government to know and solve health concerns

46 Iron : Makes blood cells

Calcium : Makes bones and teeth strong

Iodine : Makes thyroxin

Vitamin C : Prevents bleeding gums and improves skin.

47 (a) Merino sheep // Dorset // Cheviot // Bluefaced Leicester

(b) Beef

(c) Pneumonia // Ear canker // Coccidiosis // Snuffles.

48 (a) R: Gastric juice

S: Intestinal juice / *Streptococcus entericus*

(b) To breakdown (emulsify) fats

To neutralize acidic chyme from the stomach

(c) Liver // Pancreas

49 (a) Mulches rot and form humus

Mulches conserves soil moisture

(b) Over grazing leads to soil exhaustion

Over grazing leads to soil erosion.

Over grazing causes soil compaction // Makes soil comp-

50 (a) Levers

- (b) For collecting plant materials in the garden // For leveling the soil
(c) By sharpening an axe when blunt
(d) Hoe // Needle // Nail // Panga // Razorblade

51 (a) Sweeping rubbish in a classroom

Mopping a cemented floor of a classroom

Removing cobwebs in a classroom // root

Proper disposal of rubbish.

(b) Sharing face towels with an infected person.

Through shaking hands with an infected person

Sharing hankiechiefs with an infected person.

52 (a) P: Eureka can / An overflow can

H: Measuring cylinder

(b) The volume of a stone is 35 CC

(c) Displacement method.

53 (a) Network leaf venation

(b) Taproot system.

(c) . . . //

(d) legumes.

Maize develops prop roots.

54 (a) By Weathering of rocks // Decomposition of organic matter

(b) Clay soil is sticky when wet // Clay soil has small pore spaces

(c) By manuring the soil // Carrying out crop rotation

Mulching the garden //

55 (a) Bees pollinate the crops

(b) It is where honey is kept or stored.

(c) Grub.

(d) Complete life cycle.

ANS.