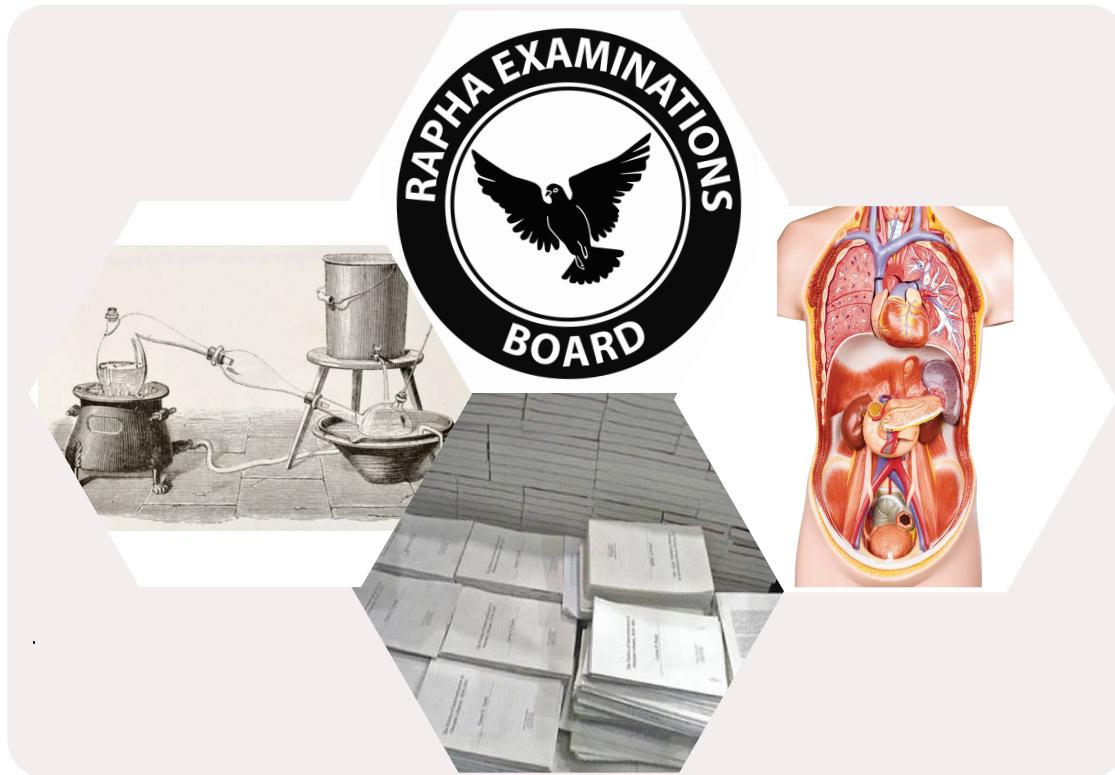


# RAPHA EXAMINATIONS BOARD

*" Education is an investment"*

## MARKING GUIDE FOR P7 STANDARD EXAMS SET 15 2024 INTERGRATED SCIENCE



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## SECTION B

- 1 Sterile box.
- 2 Stop kill germs in hands.
- 3 When two bare viruses get into contact.
- 4 They help in decomposition of organic matter.
- 5 Aodic substances kill maggot which feed on fleas.
- 6 By carrying out quarantines.
- 7 Water releases easy digestion and absorption of food.
- 8 Carbon monoxide.
- 9 Due to high temperatures on a dry and windy day.
- 10 Strontium | 150 days.
- 11 Acrylamide.
- 12 Due to low temperatures at night than day hence respiration taking place.
- 13 Improves on the quality of crops.  
increases soil organic matter.
- 14 An earthworm does not have a backbone.
- 15 Radiation:  
Conduction - is a transitional stage between childhood and adulthood.
- 16 Adolescence is a transitional stage between childhood and adulthood.
- 17 For picking food.
- 18 For defence.
- 19 Air has weight.
- 20 Flotation method.
- 21 Crawling children eat contaminated materials which result into diarrhoea.
- 22 Soil exhaustion is the loss of soil fertility.
- 23 It leads to heart diseases.
- 24 It leads to depression.
- 25 Transpiration cools the plants.
- 26 Transpiration helps plants to absorb more water from the soil.
- 27 The mechanical advantage is
- 28 To give room for contraction.
- 29 Reptiles
- 30 Drink boiled milk.
- 31 Immunizing with BCG Vaccine
- 32 cool heat the infected ones.



MOON

29. Primary colour are colour that can not be got after mixing other colours.
30. Waterbody: - Syphilis - Echinococcosis - Leprosy
31. Hepatitis B - Measles - AIDS/HIV - Scabies
32. To improve the quality of the cattle.
33. Due to gravity [gravitational force] - Force of gravity.
34. Ball and socket joint at joints which allow movement in all directions.
35. Increased demand for food, water and housing.
36. Due to availability of sunlight during midday.
7. Urder:
8. Excretory system.
9. - Constipation: Enzyme action  
- Indigestion & Diet status  
- Bloating
10. Saprophytic feeding.

## SECTION B

$$\begin{aligned}
 16. \text{Volume} &= L \times W \times H \\
 &= 7\text{cm} \times 5\text{cm} \times 3\text{cm} \\
 &= 35\text{cm}^2 \times 3\text{cm} \\
 V &= 105\text{cm}^3
 \end{aligned}$$

$$\begin{aligned}
 M &= 315\text{g} & \frac{315\text{g}}{105\text{cm}^3} \\
 D &= \frac{m}{V} & D = 3\text{g/cm}^3 \\
 &= \frac{315\text{g}}{105\text{cm}^3}
 \end{aligned}$$

42(a)-Insects  
- Animals

Use-Water

43(i) Protects the heart.

(ii) Tendon joins a muscle to a bone.

(b)-Feeding on a balanced diet

- Immunization

- Doing regular physical exercises.

44 To control easy spread of malaria fever among the people.

To extend better and treated recommended net to prevent malaria.

(b)-Malaria fever - Zika fever

-Yellow fever

-Dengue fever

(c)-Elephantiasis

-Larva stage

45(a) Air exerts pressure.

(b) Air pressure inside is equal to pressure outside the glass.

(c) It helps crop farmer to suck liquid medicine using a sprayer.

(d) It helps a health worker to suck liquid medicine using a syringe.

6 Upthrust force.

(a)-It helps in climbing trees.

-It helps in writing

-It helps in walking.

(b)-By use of ball bearing

-By use of rollers

-By making smooth surface rough.

-By oiling and greasing.

1700 - Boiling

- Chlorination

b) Poor fencing

- Waste materials released into water bodies.

Q) Reflection of light is the bending back of light rays as they strike a shiny surface.

b) Refraction of light is the bending of light as it moves from one transparent medium to another.

Spectrum is the dispersion of light rays into seven colours that make up white light.

Spectrum is a band of seven distinct <sup>colours</sup> ~~parts~~ that make up white light.

i) Diffuse reflection.

Environmental degradation is the destruction of resources in the environment.

Over grazing.

Deforestation.

Charcoal burning.

+ Restricting <sup>people</sup> from wetlands and swamps.

Wind

Animals

- Flowing water

- Man

- Explosive mechanism

- It enables plants to colonise new areas.

- It prevents overcrowding of plants.

- It reduces competition for nutrients and light.

Cuts

Falls.

- To reduce pain.

- To stop bleeding.

- To prevent further injuries.

- To save life.

~~Ques~~ Physical change:

- (a) Chemical change.
- (b) Biological change.
- (c) Physical change.
- (d) Chemical change.

~~Ques~~ Gliding joints:

(a) Tendon.

Pain at the joint  
difficulty in moving.

- (c) Put icepacks on the area and bandage the injured site.

~~Ques~~ Femur:

(b) Voluntary muscles are muscles whose movement are controlled by ones will (brain).

(i) Involuntary muscles are muscles whose movement are not controlled by ones will.

Muscles help in body movements.

Muscles ~~protect~~ control some internal body organs.

Muscles enable us to do heavy duties.

(a) (i) By spreading the quills and shakes the lower.

(ii) By stinging

- Depositing eggs in form nests which float on water

- Depositing eggs on leaves with tadpoles.

- Laying eggs on the back of females.