

DELHI PUBLIC SCHOOL
NAVI MUMBAI
REVISION

Class: VIII

Date of submission: _____

Subject: Science

This question paper consists of 24 questions.

PHYSICS

Q1. Choose and write only the correct option.

(i) A Richter Scale is used to measure the intensity of:-

- | | |
|------------------|---------------------------|
| a) An earthquake | c) Thunder |
| b) Lightning | d) Any natural phenomenon |

(ii) Which of the following is a non-electrolyte?

- | | |
|----------------|-------------------|
| a) Lemon juice | c) Tap water |
| b) Olive oil | d) Sulphuric acid |

(iii) Light enters the eye through:-

- | | |
|---------------|----------------|
| a) Blind spot | c) Optic nerve |
| b) Cornea | d) Iris |

Q2. What do you mean by dispersion of light?

Q3. Differentiate between an electrolyte and a non-electrolyte. (Give one point with two examples each.)

Q4. What is a lightning strike?

Q5. What changes would you observe if an object A is rubbed with another object B?

Q6. What do you mean by "Power of accommodation of a human eye"?

Q7. Name any two optical aids used by people with poor vision?

Q8. Name the point on the surface of Earth from where an earthquake originates.

CHEMISTRY

Q9. Choose and write only the correct option.

(i) Aluminium reacts with _____ and _____ to release hydrogen gas.

- | | |
|---------------------------|--------------------|
| a) NaOH, K_2SO_4 | c) NaCl, H_2SO_4 |
| b) $Mg(OH)_2$, H_2SO_4 | d) NaOH, H_2SO_4 |

(ii) Plastics on burning, produce highly toxic gases like _____.

- | | |
|---------------------|-------------|
| a) Carbon dioxide | c) Methane |
| b) Hydrogen cyanide | d) Hydrogen |

(iii) The non-metal that controls the rate of combustion is _____.

- | | |
|-------------|------------|
| a) Nitrogen | c) Sulphur |
| b) Chlorine | d) Oxygen |

Q10. Distinguish between the two types of plastics. (two points)

Q11. Mention one similarity and one difference between the properties of sulphur and silver.

Q12. Write the formula of:-

- (i) The oxide ore of tin
- (ii) The compound formed when iron is treated with hydrochloric acid.
- (iii) Rust

Q13. Write the full form of:-

- (i) PHB
- (ii) PVC

Q14. Write one use each of:-

- (i) Magnesium
- (ii) Teflon
- (iii) Steel
- (iv) Polymers of acrylonitrile

Q15. Give reason

- (i) Nylon is used to make swimwear.
- (ii) Base of utensils are coated with copper.
- (iii) Plastic cookware is used in microwave ovens.

Q16. Plastics are non-biodegradable – Explain the statement and mention the harm caused by it.

BIOLOGY

Q17. Choose and write only the correct option.

- (i) Which one of the following is incorrect about mildews?
 - a) They are parasites.
 - b) They are fungi.
 - c) They are unicellular.
 - d) They are eukaryotic.
- (ii) Modified viruses are used to make:-
 - a) Vaccines
 - b) Antibodies
 - c) Antibiotics
 - d) Lymphocytes
- (iii) A method of irrigation that utilises electric motor is:-
 - a) Chain pump
 - b) Drip system
 - c) Lever system
 - d) Moat

Q18. Give one example for each of the following.

- (i) Plants grown by transplantation.
- (ii) A fungal disease in humans.
- (iii) A bacteria that converts nitrites to nitrates.

Q19. Select the odd one out giving reason.

- (i) *Plasmodium*, *Giardia*, *Paramecium*, *Trypanosoma*
- (ii) Pasteurisation, UHT, refrigeration, canning

Q20. Distinguish between:-

- (i) Wild life sanctuary and biosphere reserve.
- (ii) Buffer stock and grain silo

Q21. Give reason.

- (i) Reforestation helps in bringing rain.
- (ii) Using a seed drill is better than broadcasting.

Q22. Write the role of the following. (one point each)

(i) Animal husbandry

(ii) Nitrogen cycle

Q23. Identify the following.

(i) An organism that causes typhoid.

(ii) An animal protected in Kaziranga National Park.

(iii) A simple tool used for harvesting.

Q24. Draw well labelled diagrams of the following.

(i) Bacteria

(ii) *Amoeba*

(iii) *Paramecium*

(iv) *Euglena*

(v) Generalised structure of a virus
