

Quarterly exam – Important short questions in Physics and Chemistry

Std:10

SUB SCIENCE

1. Define inertia. Give its classification.
2. Differentiate mass and weight.
3. State Newton's second law.
4. Why a spanner with a long handle is preferred to tighten screws in heavy vehicles?
5. While catching a cricket ball the fielder lowers his hands backwards. Why?
6. What is refractive index?
7. Define dispersion of light
8. State Rayleigh's law of scattering
9. Differentiate convex lens and concave lens
10. What are the causes of 'Myopia'?
11. Why does the sky appear in blue colour?
12. Why are traffic signals red in colour?
13. Define one calorie.
14. State Boyle's law
15. Distinguish between ideal gas and real Gas.
16. What is co-efficient of real expansion?

17. Define the unit of current.
17. What happens to the resistance, as the Conductor is made thicker?
18. Why is tungsten metal used in bulbs, but not in fuse wires?
19. Name any two devices, which are working On the heating effect of the electric current.
20. Define: Relative atomic mass.
21. Write the different types of isotopes of Oxygen and its percentage abundance.
22. Define: Atomicity
23. Give any two examples for heterodiatomic Molecules.
24. What is rust? Give the equation for Formation of rust
25. State two conditions necessary for rusting of iron.
26. Define the term: Solution

27. What is mean by binary solution

28. Give an example each i) gas in liquid

ii) solid in liquid iii) solid in solid

iv) gas in gas

29. Define Hydrated salt.

30. Classify the following substances into

Deliquescent, hygroscopic.

Conc. Sulphuric acid, Copper sulphate

Penta hydrate, Silica gel, Calcium chloride, and
Gypsum salt.