
CBSE CLASS - 9 SCIENCE
UNIT TEST PAPER-20

General Instruction:

- This Test paper contain Three Sections A, B, C.
 - All questions are compulsory.
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PHYSICS

1. Define acceleration ? Give its units.
2. What are the difference between the mass of an objects and its weight.
3. Why is the weight of an objects on the moon $\frac{1}{6}$ th its weight on the earth.
4. Relative density of the silver is 10.8 the density of the water is 10^3 kg m^{-3} What is density of the silver in SI unit
5. An object of the mass 15 kg is moving with a uniform velocity of 4 m/s. What is the kinetic energy possessed by the object ?
6. What is power? Define 1 watt of the power. A lamp consumes 1000 j of electrical energy in 10S. What is its powers?

BIOLOGY

1. Define ligament tissue
2. Define tissue and atom.
3. Define Cotyledons
4. Define miro-organisms. Give its four types of organisms?
5. Define Health?
6. How are clouds formed?
7. Explain why both atmosphere and water essential for life.
8. Difference between Hypotonic solution isotonic solution, hypertonic solution.
9. Write about the cell organelle.
 - a. Nucleus
 - b. Mitochondria
 - c. Lysosomes

10. Write about the Nitrogen cycle or carbon cycle with labeled diagram.

CHEMISTRY

1. What is the physical state of matter ie water (a) 250°C (b) 100°C ?
2. What types of clothes should we wear in summer ?
3. Give reason to justify why does water is liquid at room temperature?
4. What produces more severe burn boiling water or steam ?
5. Name the technique to separate
 1. Butter from curd.
 2. Salt from sea water.
6. What is a chemical change? Give examples?
7. Write the four postulate's of Dalton's atomic theory.
8. What is an atom? Write its constituents? Also calculate numbers of particles in each of the following i.e 46g of Na atom.
- 9 Differentiate between valency and isotopes with e.g.? And also write the valency of
 - i. O atom
 - ii. Ca atom
10. Write chemical formulae of the following :-
 - a. Magnesium chloride
 - b. Calcium Oxide
 - c. copper nitrate
 - d. Ammonium chloride
 - e. Calcium chloride
 - f. Sulphuric Acid.