PVG's
Muktangan English School & Jr. College, Pune - 09
Unit Test - II (2024-25)
STD IX

Subject : Science & Technology (Part I)　　　　　　　　Marks - 10
Date : 29.01.2025　　　　　　　　　　　　　Time : 9.30 am - 10.45 am

Q1. A) Fill in the blanks and rewrite the statements.　　　　**(2)**

　　1.　The number of OH^- ions obtained from one molecule of $Ca(OH)_2$ are
　　　　_____.

　　2.　The distance bewteen the pole and the principle focus of a spherical mirror
　　　　is called the _____ of the mirror.

Q1. B)　What is meant by Neutralization reaction?　　　　**(1)**

Q2. A)　Answer the following question (Any 2)　　　　**(4)**

　　1.　Distinguish between concave mirror and convex mirror by giving any two
　　　　points of difference.

　　2.　Give reason - Buttermilk spoils if kept in a copper or brass container.

　　3.　What happens when Magnesium pieces are dropped in dilute Hydrochloric
　　　　acid. Explain it by giving its balanced chemical equation.

Q3.　Answer any one of the following questions　　　　**(3)**

　1)　An object is placed at 6 cm in front of a concave mirror of focal length 10 cm.
　　　Find the position and nature of the image obtained.

　2)　A)　Classify the following salts into Acidic, Basic and Neutral type.

　　　　Sodium Carbonate, Potassium chloride and Ammonium nitrate

　　　B)　Complete the table given below -

	Name of the Compound	Molecular Formula	Basic Radical	Acidic Radical
1.	Nitric Acid	HNO_3	_____	NO_3^-
2.	_____	NaOH	_____	OH^-

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