



<b>GRADE: VIII</b> <b>Date: 29-07- 2024</b>	<b>CPE 1 (2024-25)</b> <b>SCIENCE</b>	<b>Marks:20</b> <b>Time: 50 minutes</b>
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**Name:**

**Class & Section:**

Q.No	Questions	Mark
	<b>Section A</b>	
	<b>Choose the correct answer</b>	
<b>1</b>	Which of the following is a liquid metal? a. Bromine b. Gold c. Mercury d. Potassium	<b>1</b>
<b>2</b>	Which one of the following is a non-contact force? a. Muscular force b. Friction c. Electrostatic force d. Spring force	<b>1</b>
<b>3</b>	Which gas is produced when a metal reacts with an acid? a. Carbon dioxide b. Hydrogen sulphide c. Hydrogen d. Nitrogen	<b>1</b>
<b>4</b>	The unit of Force is: a. Pascal b. Kelvin c. Kgm/s d. Newton	<b>1</b>
	<b>Write True or False</b>	
<b>5</b>	The weight of an object does not change with the gravitational force experienced by the object.	<b>1</b>
<b>6</b>	Iodine is a non-metal with a lustrous property.	<b>1</b>
<b>7</b>	Force is a quantity with both direction and magnitude.	<b>1</b>
<b>8</b>	The oxides of metals are generally acidic in nature.	<b>1</b>

	<b>Fill in the blanks</b>	
<b>9</b>	The rocks from which metals can be extracted conveniently and profitably are called _____.	<b>1</b>
<b>10</b>	Fluid friction is otherwise called as _____.	<b>1</b>
<b>Section B</b>		
	<b>Answer the following</b>	
<b>11</b>	What do you mean by corrosion? Explain the corrosion of iron briefly.	<b>2</b>
<b>12</b>	Ram is pushing a box with a force of 10N. Ananya is also pushing the same box with a force of 10N in the same direction. a. What will be the resultant force? b. What will be the resultant force if both of them push the box in opposite directions? Why?	<b>2</b>
<b>13</b>	The reactivity of a few metals is given below in increasing order of their reactivity. Platinum < Gold < Mercury < Copper < Lead < Iron < Magnesium a. Which all elements can displace copper from its solution of copper sulphate if reacted with them? b. Can copper displace gold according to the given reactivity order? c. What is a reactivity series?	<b>1</b> <b>1</b> <b>1</b>
<b>14</b>	Give reasons: a) Aeroplanes, ships are designed to make them streamlined in shape. b) Weightlifters rub sawdust or rough powder on their hands while lifting weights. c) Moving parts of machines are coated with oil, grease or graphite powder.	<b>3</b>