

**NOTE:** There are three sections of this paper. Carefully read the instructions for each section and attempt accordingly. Attempt all questions of Section-A and return it to the Superintendent within given time, even if you have not attempted any question. No marks will be awarded for cutting/erasing/overwriting.

**SECTION-A**

Time Allowed: 20 Minutes

Max. Marks: 12

1. There are four possible answers (A, B, C, D) for each question. Select the correct one and write it in the answer box.

- i. In rockets the fuel used is: [A] natural gas, [B] gasoline, [C] acetylene, [D] liquid hydrogen].....
- ii. The formula of lime water is: [A] CaO, [B] Ca(OH)<sub>2</sub>, [C] D<sub>2</sub>O, [D] H<sub>2</sub>O].....
- iii. What is the formula of soda ash? [A] CaCO<sub>3</sub>, [B] NaOH, [C] Na<sub>2</sub>CO<sub>3</sub>, [D] NaHCO<sub>3</sub>].....
- iv. Which one is the impure form of silicon dioxide? [A] quartz, [B] tridymite, [C] cristobalite, [D] sand]...
- v. Which one is good conductor of electricity? [A] diamond, [B] bucky balls, [C] graphite, [D] rubber]...
- vi. Oxygen is present in air by volume: [A] 21%, [B] 70%, [C] 20%, [D] 77%].....
- vii. Which gas possess odour like garlic? [A] oxygen, [B] nitrogen, [C] chlorine, [D] ozone].....
- viii. The formula of oleum is: [A] Na<sub>2</sub>CO<sub>3</sub>, [B] H<sub>2</sub>S<sub>2</sub>O<sub>7</sub>, [C] HNO<sub>3</sub>, [D] C<sub>6</sub>H<sub>6</sub>].....
- ix. The nature of hydrogen chloride is: [A] acidic, [B] basic, [C] salt, [D] bleaching agent].....
- x. The alloy of copper and zinc is called: [A] nichrome, [B] bronze, [C] brass, [D] steel].....
- xi. In natural gas the percentage of methane is: [A] 88.52%, [B] 0.89%, [C] 0.26%, [D] 0.37%].....
- xii. The chemical formula of lime stone is: [A] Na<sub>2</sub>CO<sub>3</sub>, [B] NaOH, [C] CaCO<sub>3</sub>, [D] MgCO<sub>3</sub>].....