Certainly! Below is a sample question paper for the Madhya Pradesh School Education Board, Class-10-Science, covering the topic "Metals and Non-metals". The paper is structured according to the specified format and is presented in English.  
  
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\*\*Madhya Pradesh School Education Board\*\*   
\*\*Class 10 - Science\*\*   
\*\*Chapter: Metals and Non-metals\*\*   
\*\*Maximum Marks: 80\*\*  
  
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### Objective Section  
  
#### Multiple Choice Questions (MCQs) [5 x 1 = 5 Marks]  
  
1. Which of the following is a metal that exists in liquid state at room temperature?  
 - a) Iron  
 - b) Mercury  
 - c) Sodium  
 - d) Aluminum  
  
2. Which non-metal is essential for our life as it is a part of proteins?  
 - a) Carbon  
 - b) Nitrogen  
 - c) Sulfur  
 - d) Phosphorus  
  
3. Which of the following metals is most reactive?  
 - a) Gold  
 - b) Copper  
 - c) Sodium  
 - d) Platinum  
  
4. The property of metals by which they can be beaten into thin sheets is called:  
 - a) Ductility  
 - b) Malleability  
 - c) Sonority  
 - d) Conductivity  
  
5. Which of the following non-metals is a good conductor of electricity?  
 - a) Sulfur  
 - b) Carbon (in the form of graphite)  
 - c) Phosphorus  
 - d) Oxygen  
  
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### Subjective Section  
  
#### Fill in the Blanks [5 x 1 = 5 Marks]  
  
1. \_\_\_\_\_\_\_\_\_\_ is the only metal that is liquid at room temperature.  
2. \_\_\_\_\_\_\_\_\_\_ is the most abundant metal in the Earth's crust.  
3. \_\_\_\_\_\_\_\_\_\_ is used in the galvanization of iron.  
4. \_\_\_\_\_\_\_\_\_\_ is a non-metal that catches fire if exposed to air.  
5. The ability of metals to be drawn into wires is called \_\_\_\_\_\_\_\_\_\_.  
  
#### True/False Statements [5 x 1 = 5 Marks]  
  
1. All metals are good conductors of electricity. (True/False)  
2. Non-metals usually have a shiny appearance. (True/False)  
3. Gold is more reactive than copper. (True/False)  
4. Metals are generally malleable. (True/False)  
5. Diamond is a good conductor of electricity. (True/False)  
  
#### One-word Answers [5 x 1 = 5 Marks]  
  
1. Name a metal that is so soft it can be cut with a knife.  
2. What is the term for the smallest unit of an element?  
3. Which element is represented by the symbol 'Na'?  
4. What is the most abundant gas in the Earth's atmosphere?  
5. What is the process of coating iron with zinc called?  
  
#### Short Answer Questions [5 x 5 = 25 Marks]  
  
1. Explain the difference between metals and non-metals based on their physical properties.  
2. Describe the process of rusting and the conditions under which it occurs.  
3. Explain why metals are good conductors of electricity.  
4. Discuss the importance of alloys and provide two examples.  
5. Describe the process of electrolysis in the extraction of metals.  
  
#### Long Answer Questions [5 x 10 = 50 Marks]  
  
1. Discuss the reactivity series of metals and its significance in extraction processes.  
2. Explain the chemical properties of metals with suitable examples.  
3. Discuss the environmental impact of mining and extraction of metals.  
4. Explain how metals and non-metals are classified based on their electronic configuration.  
5. Describe the uses and properties of two non-metals and two metals in daily life.  
  
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\*Note: This question paper is designed to cover various aspects of the topic "Metals and Non-metals" and assess the student's understanding and knowledge comprehensively.\*