Inorganic Chemistry: Basic to Advanced

A) Hematite B) Magnetite C) Bauxite D) Galena Correct Answer: A Explanation: Ore of iron is: Correct option is A.
2. Ligand in [Co(NH3)6]3+ is:
A) NH3 B) H2O C) CI- D) CN- Correct Answer: A Explanation: Ligand in [Co(NH3)6]3+ is: Correct option is A.
3. Color of Cu2+ ions in aqueous solution:
A) Blue B) Green C) Colorless D) Red Correct Answer: A Explanation: Color of Cu2+ ions in aqueous solution: Correct option is A.
4. Which molecule has hydrogen bonding?
A) CH4 B) NH3 C) CO2 D) BF3 Correct Answer: B Explanation: Which molecule has hydrogen bonding? Correct option is B.
5. Which is the most reactive alkali metal?
A) Li B) Na C) K D) Cs Correct Answer: D Explanation: Which is the most reactive alkali metal? Correct option is D.
6. Most abundant isotope of hydrogen:
A) Protium B) Deuterium C) Tritium D) Hydrogen-4 Correct Answer: A Explanation: Most abundant isotope of hydrogen: Correct option is A.
7. Alkali metals are stored in:
A) Water B) Air

1. Ore of iron is:

C) Kerosene D) Ethanol Correct Answer: C Explanation: Alkali metals are stored in: Correct option is C.
8. Which halogen is most reactive?
A) F2 B) Cl2 C) Br2 D) l2 Correct Answer: A Explanation: Which halogen is most reactive? Correct option is A.
9. Froth flotation is used for:
A) Sulphide ores B) Oxide ores C) Carbonates D) All Correct Answer: A Explanation: Froth flotation is used for: Correct option is A.
10. Which element has the highest electronegativity?
A) F B) O C) CI D) N Correct Answer: A Explanation: Which element has the highest electronegativity? Correct option is A.
11. Ligand in [Co(NH3)6]3+ is:
A) NH3 B) H2O C) CI- D) CN- Correct Answer: A Explanation: Ligand in [Co(NH3)6]3+ is: Correct option is A.
12. Which is a transition metal?
A) Zn B) Sc C) Mg D) Al Correct Answer: B Explanation: Which is a transition metal? Correct option is B.
13. Alkali metals are stored in:
A) Water B) Air C) Kerosene D) Ethanol Correct Answer: C
■ Explanation: Alkali metals are stored in: Correct option is C.

14. CaCO3 decomposes on heating to give:

- A) CaO + CO2B) Ca + CO2 C) CaO + C D) Ca + O2**■ Correct Answer:** A B) Oxide ores
- Explanation: CaCO3 decomposes on heating to give: Correct option is A.

15. Froth flotation is used for:

- A) Sulphide ores
- C) Carbonates
- D) All
- **Correct Answer:** A
- **Explanation:** Froth flotation is used for: Correct option is A.

16. Color of Cu2+ ions in aqueous solution:

- A) Blue
- B) Green
- C) Colorless
- D) Red
- **Correct Answer:** A
- Explanation: Color of Cu2+ ions in aqueous solution: Correct option is A.

17. Hydrides of alkali metals are:

- A) Ionic
- B) Covalent
- C) Metallic
- D) Both
- **Correct Answer:** A
- Explanation: Hydrides of alkali metals are: Correct option is A.

18. Ligand in [Co(NH3)6]3+ is:

- A) NH3
- B) H2O
- C) CI-
- D) CN-
- **Correct Answer:** A
- Explanation: Ligand in [Co(NH3)6]3+ is: Correct option is A.

19. The bond order in O2 is:

- A) 1
- B) 2
- C) 3
- D) 1.5
- Correct Answer: D
- **Explanation:** The bond order in O2 is: Correct option is D.

20. The hybridization of carbon in CO2 is:

- A) sp
- B) sp2
- C) sp3
- D) sp3d
- **Correct Answer:** A
- Explanation: The hybridization of carbon in CO2 is: Correct option is A.

21. Extraction of aluminum involves: A) Electrolysis B) Reduction with C C) Distillation D) Hydration

■ Correct Answer: A
■ Explanation: Extraction of aluminum involves: Correct option is A.

22. Sulfur forms which oxide acidic in nature?

- A) SO2
- B) SO3
- C) S2O3
- D) SO
- Correct Answer: B
- Explanation: Sulfur forms which oxide acidic in nature? Correct option is B.

23. Ionization energy decreases:

- A) Across period
- B) Down group
- C) Both
- D) None
- Correct Answer: B
- Explanation: Ionization energy decreases: Correct option is B.

24. Which complex is diamagnetic?

- A) [Fe(CN)6]4-
- B) [Fe(H2O)6]3+
- C) [Cu(NH3)4]2+
- D) [Ni(CO)4]
- **Correct Answer:** D
- Explanation: Which complex is diamagnetic? Correct option is D.

25. Ore of iron is:

- A) Hematite
- B) Magnetite
- C) Bauxite
- D) Galena
- **Correct Answer:** A
- **Explanation:** Ore of iron is: Correct option is A.

26. Fe2O3 is:

- A) Ferric oxide
- B) Ferrous oxide
- C) Both
- D) None
- **Correct Answer:** A
- **Explanation:** Fe2O3 is: Correct option is A.

27. Which element has the highest electronegativity?

- A) F
- B) O
- C) CI
- D) N
- **Correct Answer:** A

■ Explanation: Which element has the highest electronegativity? Correct option is A.
28. Atomic radius increases:
A) Across period B) Down group C) Both D) None Correct Answer: B Explanation: Atomic radius increases: Correct option is B.
29. Atomic radius increases:
A) Across period B) Down group C) Both D) None Correct Answer: B Explanation: Atomic radius increases: Correct option is B.
30. The bond order in O2 is:
A) 1 B) 2 C) 3 D) 1.5 Correct Answer: D Explanation: The bond order in O2 is: Correct option is D.
31. The coordination number of [Fe(CN)6]3- is:
A) 4 B) 6 C) 2 D) 8 Correct Answer: B Explanation: The coordination number of [Fe(CN)6]3- is: Correct option is B.
32. Extraction of aluminum involves:
 A) Electrolysis B) Reduction with C C) Distillation D) Hydration Correct Answer: A Explanation: Extraction of aluminum involves: Correct option is A.
33. Most abundant isotope of hydrogen:
A) Protium B) Deuterium C) Tritium D) Hydrogen-4 Correct Answer: A Explanation: Most abundant isotope of hydrogen: Correct option is A.
34. Ligand in [Co(NH3)6]3+ is:
A) NH3 B) H2O C) CI- D) CN-

■ Correct Answer: A ■ Explanation: Ligand in [Co(NH3)6]3+ is: Correct option is A.
35. Atomic radius increases:
A) Across period B) Down group C) Both D) None Correct Answer: B Explanation: Atomic radius increases: Correct option is B.
36. The coordination number of [Fe(CN)6]3- is:
A) 4 B) 6 C) 2 D) 8 Correct Answer: B Explanation: The coordination number of [Fe(CN)6]3- is: Correct option is B.
37. Most abundant isotope of hydrogen:
A) Protium B) Deuterium C) Tritium D) Hydrogen-4 ■ Correct Answer: A ■ Explanation: Most abundant isotope of hydrogen: Correct option is A.
38. Color of Cu2+ ions in aqueous solution:
A) Blue B) Green C) Colorless D) Red Correct Answer: A Explanation: Color of Cu2+ ions in aqueous solution: Correct option is A.
39. The hybridization of carbon in CO2 is:
A) sp B) sp2 C) sp3 D) sp3d

- **Correct Answer:** A
- Explanation: The hybridization of carbon in CO2 is: Correct option is A.

40. The bond order in O2 is:

- A) 1 B) 2
- C) 3
- D) 1.5
- Correct Answer: D
- Explanation: The bond order in O2 is: Correct option is D.

41. The coordination number of [Fe(CN)6]3- is:
A) 4 B) 6 C) 2 D) 8 Correct Answer: B Explanation: The coordination number of [Fe(CN)6]3- is: Correct option is B.
42. Nitrogen exists as:
A) N2 B) N4 C) N3 D) N Correct Answer: A Explanation: Nitrogen exists as: Correct option is A.
43. Which element has the highest electronegativity?
A) F B) O C) CI D) N Correct Answer: A Explanation: Which element has the highest electronegativity? Correct option is A.
44. CaCO3 decomposes on heating to give:
A) CaO + CO2 B) Ca + CO2 C) CaO + C D) Ca + O2 Correct Answer: A Explanation: CaCO3 decomposes on heating to give: Correct option is A.
45. Most abundant isotope of hydrogen:
A) Protium B) Deuterium C) Tritium D) Hydrogen-4 Correct Answer: A Explanation: Most abundant isotope of hydrogen: Correct option is A.
46. Sulfur forms which oxide acidic in nature?
A) SO2 B) SO3 C) S2O3 D) SO Correct Answer: B Explanation: Sulfur forms which oxide acidic in nature? Correct option is B.
47. Most abundant isotope of hydrogen:
A) Protium B) Deuterium C) Tritium D) Hydrogen-4 Correct Answer: A

■ Explanation: Most abundant isotope of hydrogen: Correct option is A. **48.** The hybridization of carbon in CO2 is: A) sp B) sp2 C) sp3 D) sp3d **■ Correct Answer:** A ■ Explanation: The hybridization of carbon in CO2 is: Correct option is A. 49. Nitrogen exists as: A) N2 B) N4 C) N3 D) N **■ Correct Answer:** A **■ Explanation:** Nitrogen exists as: Correct option is A. 50. Fe2O3 is: A) Ferric oxide B) Ferrous oxide C) Both D) None **■ Correct Answer:** A **■ Explanation:** Fe2O3 is: Correct option is A. **51.** Hydrides of alkali metals are: A) Ionic B) Covalent C) Metallic D) Both **■ Correct Answer:** A ■ Explanation: Hydrides of alkali metals are: Correct option is A. **52.** CaCO3 decomposes on heating to give: A) CaO + CO2 B) Ca + CO2 C) CaO + C D) Ca + O2 **■ Correct Answer:** A ■ Explanation: CaCO3 decomposes on heating to give: Correct option is A. 53. Froth flotation is used for: A) Sulphide ores B) Oxide ores C) Carbonates D) All **■ Correct Answer:** A **Explanation:** Froth flotation is used for: Correct option is A. **54.** The bond order in O2 is: A) 1 B) 2

C) 3 D) 1.5

■ Correct Answer: D

■ Explanation: The bond order in O2 is: Correct option is D.

55. Extraction of aluminum involves:

- A) Electrolysis
- B) Reduction with C
- C) Distillation
- D) Hydration
- **Correct Answer:** A
- Explanation: Extraction of aluminum involves: Correct option is A.

56. Which complex is diamagnetic?

- A) [Fe(CN)6]4-
- B) [Fe(H2O)6]3+
- C) [Cu(NH3)4]2+
- D) [Ni(CO)4]
- Correct Answer: D
- Explanation: Which complex is diamagnetic? Correct option is D.

57. Which molecule has hydrogen bonding?

- A) CH4
- B) NH3
- C) CO2
- D) BF3
- Correct Answer: B
- Explanation: Which molecule has hydrogen bonding? Correct option is B.

58. H2O2 decomposes to give:

- A) H2 + O2
- B) H2O + O2
- C) H2 + H2O
- D) H2O only
- Correct Answer: B
- Explanation: H2O2 decomposes to give: Correct option is B.

59. Color of Cu2+ ions in aqueous solution:

- A) Blue
- B) Green
- C) Colorless
- D) Red
- **Correct Answer:** A
- Explanation: Color of Cu2+ ions in aqueous solution: Correct option is A.

60. Hydrides of alkali metals are:

- A) Ionic
- B) Covalent
- C) Metallic
- D) Both
- **Correct Answer:** A
- Explanation: Hydrides of alkali metals are: Correct option is A.

61. Hydrides of alkali metals are: A) Ionic B) Covalent C) Metallic D) Both

■ Correct Answer: A

■ Explanation: Hydrides of alkali metals are: Correct option is A.

62. Which is the most reactive alkali metal?

- A) Li
- B) Na
- C) K
- D) Cs
- Correct Answer: D
- Explanation: Which is the most reactive alkali metal? Correct option is D.

63. Extraction of aluminum involves:

- A) Electrolysis
- B) Reduction with C
- C) Distillation
- D) Hydration
- **Correct Answer:** A
- **Explanation:** Extraction of aluminum involves: Correct option is A.

64. Ionization energy decreases:

- A) Across period
- B) Down group
- C) Both
- D) None
- Correct Answer: B
- Explanation: Ionization energy decreases: Correct option is B.

65. Alkali metals are stored in:

- A) Water
- B) Air
- C) Kerosene
- D) Ethanol
- **Correct Answer:** C
- Explanation: Alkali metals are stored in: Correct option is C.

66. The hybridization of carbon in CO2 is:

- A) sp
- B) sp2
- C) sp3
- D) sp3d
- **Correct Answer:** A
- Explanation: The hybridization of carbon in CO2 is: Correct option is A.

67. Atomic radius increases:

- A) Across period
- B) Down group
- C) Both
- D) None
- Correct Answer: B

■ Explanation: Atomic radius increases: Correct option is B. 68. Ore of iron is: A) Hematite B) Magnetite C) Bauxite D) Galena **■ Correct Answer:** A **Explanation:** Ore of iron is: Correct option is A. 69. Alkali metals are stored in: A) Water B) Air C) Kerosene D) Ethanol **■ Correct Answer:** C **Explanation:** Alkali metals are stored in: Correct option is C. **70.** Most abundant isotope of hydrogen: A) Protium B) Deuterium C) Tritium D) Hydrogen-4 **■ Correct Answer:** A **■ Explanation:** Most abundant isotope of hydrogen: Correct option is A. **71.** Which is the most reactive alkali metal? A) Li B) Na C) K D) Cs **■ Correct Answer:** D ■ Explanation: Which is the most reactive alkali metal? Correct option is D. 72. Hydrides of alkali metals are: A) Ionic B) Covalent C) Metallic D) Both **■ Correct Answer:** A ■ Explanation: Hydrides of alkali metals are: Correct option is A. 73. CaCO3 decomposes on heating to give: A) CaO + CO2 B) Ca + CO2 C) CaO + C D) Ca + O2

- **Correct Answer:** A
- Explanation: CaCO3 decomposes on heating to give: Correct option is A.

74. CaCO3 decomposes on heating to give:

- A) CaO + CO2
- B) Ca + CO2
- C) CaO + C
- D) Ca + O2

■ Correct Answer: A

■ Explanation: CaCO3 decomposes on heating to give: Correct option is A.

75. Sulfur forms which oxide acidic in nature?

- A) SO2
- B) SO3
- C) S2O3
- D) SO

■ Correct Answer: B

■ Explanation: Sulfur forms which oxide acidic in nature? Correct option is B.

76. The bond order in O2 is:

- A) 1
- B) 2
- C) 3
- D) 1.5

■ Correct Answer: D

■ Explanation: The bond order in O2 is: Correct option is D.

77. Most abundant isotope of hydrogen:

- A) Protium
- B) Deuterium
- C) Tritium
- D) Hydrogen-4

■ Correct Answer: A

■ Explanation: Most abundant isotope of hydrogen: Correct option is A.

78. Froth flotation is used for:

- A) Sulphide ores
- B) Oxide ores
- C) Carbonates
- D) All

■ Correct Answer: A

■ Explanation: Froth flotation is used for: Correct option is A.

79. Which halogen is most reactive?

- A) F2
- B) CI2
- C) Br2
- D) 12

■ Correct Answer: A

■ Explanation: Which halogen is most reactive? Correct option is A.

80. Most abundant isotope of hydrogen:

- A) Protium
- B) Deuterium
- C) Tritium
- D) Hydrogen-4

■ Correct Answer: A

■ Explanation: Most abundant isotope of hydrogen: Correct option is A.

81. Sulfur forms which oxide acidic in nature? A) SO2 B) SO3 C) S2O3 D) SO ■ Correct Answer: B ■ Explanation: Sulfur forms which oxide acidic in nature? Correct option is B. 82. Ionization energy decreases: A) Across period B) Down group C) Both D) None ■ Correct Answer: B **■ Explanation:** Ionization energy decreases: Correct option is B. 83. Fe2O3 is: A) Ferric oxide B) Ferrous oxide C) Both D) None **■ Correct Answer:** A ■ Explanation: Fe2O3 is: Correct option is A. 84. Froth flotation is used for: A) Sulphide ores B) Oxide ores C) Carbonates D) All **■ Correct Answer:** A **Explanation:** Froth flotation is used for: Correct option is A. **85.** Which halogen is most reactive? A) F2 B) CI2 C) Br2 D) 12 **■ Correct Answer:** A ■ Explanation: Which halogen is most reactive? Correct option is A. 86. The bond order in O2 is: A) 1 B) 2 C) 3 D) 1.5 ■ Correct Answer: D **■ Explanation:** The bond order in O2 is: Correct option is D. **87.** Which halogen is most reactive? A) F2 B) CI2 C) Br2 D) 12 ■ Correct Answer: A

■ Explanation: Which halogen is most reactive? Correct option is A. **88.** Extraction of aluminum involves: A) Electrolysis B) Reduction with C C) Distillation D) Hydration **■ Correct Answer:** A **■ Explanation:** Extraction of aluminum involves: Correct option is A. 89. Which molecule has hydrogen bonding? A) CH4 B) NH3 C) CO2 D) BF3 ■ Correct Answer: B ■ Explanation: Which molecule has hydrogen bonding? Correct option is B. **90.** Most abundant isotope of hydrogen: A) Protium B) Deuterium C) Tritium D) Hydrogen-4 **■ Correct Answer:** A **■ Explanation:** Most abundant isotope of hydrogen: Correct option is A. **91.** The coordination number of [Fe(CN)6]3- is: A) 4 B) 6 C) 2 D) 8 ■ Correct Answer: B ■ Explanation: The coordination number of [Fe(CN)6]3- is: Correct option is B. 92. CaCO3 decomposes on heating to give: A) CaO + CO2 B) Ca + CO2 C) CaO + C D) Ca + O2 **■ Correct Answer:** A ■ Explanation: CaCO3 decomposes on heating to give: Correct option is A. **93.** Ionization energy decreases: A) Across period B) Down group C) Both D) None

■ Correct Answer: B

Explanation: Ionization energy decreases: Correct option is B.

94. Fe2O3 is:

- A) Ferric oxide
- B) Ferrous oxide
- C) Both
- D) None

■ Correct Answer: A ■ Explanation: Fe2O3 is: Correct option is A. 95. Ore of iron is: A) Hematite B) Magnetite C) Bauxite D) Galena **■ Correct Answer:** A

■ Explanation: Ore of iron is: Correct option is A.

96. Ligand in [Co(NH3)6]3+ is:

- A) NH3
- B) H2O
- C) CI-
- D) CN-
- **Correct Answer:** A
- Explanation: Ligand in [Co(NH3)6]3+ is: Correct option is A.

97. Color of Cu2+ ions in aqueous solution:

- A) Blue
- B) Green
- C) Colorless
- D) Red
- **Correct Answer:** A
- Explanation: Color of Cu2+ ions in aqueous solution: Correct option is A.

98. Which is a transition metal?

- A) Zn
- B) Sc
- C) Mg
- D) AI
- Correct Answer: B
- Explanation: Which is a transition metal? Correct option is B.

99. Which molecule has hydrogen bonding?

- A) CH4
- B) NH3
- C) CO2
- D) BF3
- Correct Answer: B
- Explanation: Which molecule has hydrogen bonding? Correct option is B.

100. Which halogen is most reactive?

- A) F2
- B) Cl2
- C) Br2
- D) 12
- **Correct Answer:** A
- Explanation: Which halogen is most reactive? Correct option is A.

101. Ionization energy decreases: A) Across period B) Down group C) Both D) None ■ Correct Answer: B **■ Explanation:** Ionization energy decreases: Correct option is B. **102.** Which complex is diamagnetic? A) [Fe(CN)6]4-B) [Fe(H2O)6]3+ C) [Cu(NH3)4]2+ D) [Ni(CO)4] **■ Correct Answer:** D **■ Explanation:** Which complex is diamagnetic? Correct option is D. **103.** The hybridization of carbon in CO2 is: A) sp B) sp2 C) sp3 D) sp3d **■ Correct Answer:** A ■ Explanation: The hybridization of carbon in CO2 is: Correct option is A. **104.** The coordination number of [Fe(CN)6]3- is: A) 4 B) 6 C) 2 D) 8 ■ Correct Answer: B ■ Explanation: The coordination number of [Fe(CN)6]3- is: Correct option is B. 105. Hydrides of alkali metals are: A) Ionic B) Covalent C) Metallic D) Both **■ Correct Answer:** A ■ Explanation: Hydrides of alkali metals are: Correct option is A. 106. Ore of iron is: A) Hematite B) Magnetite C) Bauxite D) Galena

107. Color of Cu2+ ions in aqueous solution:

Explanation: Ore of iron is: Correct option is A.

- A) Blue
- B) Green
- C) Colorless
- D) Red
- **Correct Answer:** A

■ Correct Answer: A

■ Explanation: Color of Cu2+ ions in aqueous solution: Correct option is A.

108. H2O2 decomposes to give:

- A) H2 + O2
- B) H2O + O2
- C) H2 + H2O
- D) H2O only
- Correct Answer: B
- Explanation: H2O2 decomposes to give: Correct option is B.

109. Extraction of aluminum involves:

- A) Electrolysis
- B) Reduction with C
- C) Distillation
- D) Hydration
- **Correct Answer:** A
- **Explanation:** Extraction of aluminum involves: Correct option is A.

110. H2O2 decomposes to give:

- A) H2 + O2
- B) H2O + O2
- C) H2 + H2O
- D) H2O only
- Correct Answer: B
- Explanation: H2O2 decomposes to give: Correct option is B.

111. Color of Cu2+ ions in aqueous solution:

- A) Blue
- B) Green
- C) Colorless
- D) Red
- **Correct Answer:** A
- Explanation: Color of Cu2+ ions in aqueous solution: Correct option is A.

112. Hydrides of alkali metals are:

- A) Ionic
- B) Covalent
- C) Metallic
- D) Both
- **Correct Answer:** A
- Explanation: Hydrides of alkali metals are: Correct option is A.

113. Alkali metals are stored in:

- A) Water
- B) Air
- C) Kerosene
- D) Ethanol
- **Correct Answer:** C
- **Explanation:** Alkali metals are stored in: Correct option is C.

114. Ligand in [Co(NH3)6]3+ is:

- A) NH3
- B) H2O
- C) CI-
- D) CN-

■ Correct Answer: A

■ Explanation: Ligand in [Co(NH3)6]3+ is: Correct option is A.

115. Which is a transition metal?

- A) Zn
- B) Sc
- C) Mg
- D) AI

■ Correct Answer: B

■ Explanation: Which is a transition metal? Correct option is B.

116. Nitrogen exists as:

- A) N2
- B) N4
- C) N3
- D) N

■ Correct Answer: A

■ Explanation: Nitrogen exists as: Correct option is A.

117. Extraction of aluminum involves:

- A) Electrolysis
- B) Reduction with C
- C) Distillation
- D) Hydration

■ Correct Answer: A

■ Explanation: Extraction of aluminum involves: Correct option is A.

118. Froth flotation is used for:

- A) Sulphide ores
- B) Oxide ores
- C) Carbonates
- D) All

■ Correct Answer: A

■ Explanation: Froth flotation is used for: Correct option is A.

119. Froth flotation is used for:

- A) Sulphide ores
- B) Oxide ores
- C) Carbonates
- D) All

■ Correct Answer: A

Explanation: Froth flotation is used for: Correct option is A.

120. Sulfur forms which oxide acidic in nature?

- A) SO2
- B) SO3
- C) S2O3
- D) SO

■ Correct Answer: B

■ Explanation: Sulfur forms which oxide acidic in nature? Correct option is B.

121. Fe2O3 is:

- A) Ferric oxide
- B) Ferrous oxide
- C) Both
- D) None
- **Correct Answer:** A
- Explanation: Fe2O3 is: Correct option is A.

122. Ore of iron is:

- A) Hematite
- B) Magnetite
- C) Bauxite
- D) Galena
- **Correct Answer:** A
- **Explanation:** Ore of iron is: Correct option is A.

123. Froth flotation is used for:

- A) Sulphide ores
- B) Oxide ores
- C) Carbonates
- D) All
- **Correct Answer:** A
- Explanation: Froth flotation is used for: Correct option is A.

124. Color of Cu2+ ions in aqueous solution:

- A) Blue
- B) Green
- C) Colorless
- D) Red
- **Correct Answer:** A
- Explanation: Color of Cu2+ ions in aqueous solution: Correct option is A.

125. Ligand in [Co(NH3)6]3+ is:

- A) NH3
- B) H2O
- C) CI-
- D) CN-
- **Correct Answer:** A
- Explanation: Ligand in [Co(NH3)6]3+ is: Correct option is A.

126. The hybridization of carbon in CO2 is:

- A) sp
- B) sp2
- C) sp3
- D) sp3d
- **Correct Answer:** A
- Explanation: The hybridization of carbon in CO2 is: Correct option is A.

127. H2O2 decomposes to give:

- A) H2 + O2
- B) H2O + O2
- C) H2 + H2O
- D) H2O only
- Correct Answer: B

■ Explanation: H2O2 decomposes to give: Correct option is B. **128.** Most abundant isotope of hydrogen: A) Protium B) Deuterium C) Tritium D) Hydrogen-4 **■ Correct Answer:** A ■ Explanation: Most abundant isotope of hydrogen: Correct option is A. **129.** Which element has the highest electronegativity? A) F B) O C) CI D) N **■ Correct Answer:** A ■ Explanation: Which element has the highest electronegativity? Correct option is A. **130.** CaCO3 decomposes on heating to give: A) CaO + CO2 B) Ca + CO2 C) CaO + C D) Ca + O2 **■ Correct Answer:** A ■ Explanation: CaCO3 decomposes on heating to give: Correct option is A. **131.** Which halogen is most reactive? A) F2 B) CI2 C) Br2 D) 12 **■ Correct Answer:** A ■ Explanation: Which halogen is most reactive? Correct option is A. **132.** Which element has the highest electronegativity? A) F B) O C) CI D) N **■ Correct Answer:** A ■ Explanation: Which element has the highest electronegativity? Correct option is A. **133.** H2O2 decomposes to give: A) H2 + O2B) H2O + O2 C) H2 + H2OD) H2O only ■ Correct Answer: B **■ Explanation:** H2O2 decomposes to give: Correct option is B. 134. Ore of iron is: A) Hematite B) Magnetite C) Bauxite D) Galena

■ Correct Answer: A

■ Explanation: Ore of iron is: Correct option is A.

135. Which molecule has hydrogen bonding?

- A) CH4
- B) NH3
- C) CO2
- D) BF3

■ Correct Answer: B

■ Explanation: Which molecule has hydrogen bonding? Correct option is B.

136. Ligand in [Co(NH3)6]3+ is:

- A) NH3
- B) H2O
- C) CI-
- D) CN-

■ Correct Answer: A

■ Explanation: Ligand in [Co(NH3)6]3+ is: Correct option is A.

137. Color of Cu2+ ions in aqueous solution:

- A) Blue
- B) Green
- C) Colorless
- D) Red

■ Correct Answer: A

■ Explanation: Color of Cu2+ ions in aqueous solution: Correct option is A.

138. Ore of iron is:

- A) Hematite
- B) Magnetite
- C) Bauxite
- D) Galena

■ Correct Answer: A

■ Explanation: Ore of iron is: Correct option is A.

139. Alkali metals are stored in:

- A) Water
- B) Air
- C) Kerosene
- D) Ethanol

■ Correct Answer: C

■ Explanation: Alkali metals are stored in: Correct option is C.

140. Atomic radius increases:

- A) Across period
- B) Down group
- C) Both
- D) None

■ Correct Answer: B

■ Explanation: Atomic radius increases: Correct option is B.

141. The bond order in O2 is: A) 1 B) 2 C) 3 D) 1.5 ■ Correct Answer: D ■ Explanation: The bond order in O2 is: Correct option is D. **142.** Which is the most reactive alkali metal? A) Li B) Na C) K D) Cs ■ Correct Answer: D ■ Explanation: Which is the most reactive alkali metal? Correct option is D. **143.** Color of Cu2+ ions in aqueous solution: A) Blue B) Green C) Colorless D) Red **■ Correct Answer:** A ■ Explanation: Color of Cu2+ ions in aqueous solution: Correct option is A. 144. Atomic radius increases: A) Across period B) Down group C) Both D) None ■ Correct Answer: B ■ Explanation: Atomic radius increases: Correct option is B. 145. Alkali metals are stored in: A) Water B) Air C) Kerosene D) Ethanol **■ Correct Answer:** C ■ Explanation: Alkali metals are stored in: Correct option is C. 146. Ore of iron is: A) Hematite B) Magnetite C) Bauxite D) Galena **■ Correct Answer:** A **■ Explanation:** Ore of iron is: Correct option is A. **147.** Which is a transition metal? A) Zn B) Sc C) Mg D) AI

■ Correct Answer: B

■ Explanation: Which is a transition metal? Correct option is B.
148. Which is a transition metal?
A) Zn B) Sc C) Mg D) Al Correct Answer: B Explanation: Which is a transition metal? Correct option is B.
149. The coordination number of [Fe(CN)6]3- is:
A) 4 B) 6 C) 2 D) 8 Correct Answer: B Explanation: The coordination number of [Fe(CN)6]3- is: Correct option is B.
150. The coordination number of [Fe(CN)6]3- is:
A) 4 B) 6 C) 2 D) 8 Correct Answer: B Explanation: The coordination number of [Fe(CN)6]3- is: Correct option is B.
151. Sulfur forms which oxide acidic in nature?
A) SO2 B) SO3 C) S2O3 D) SO ■ Correct Answer: B ■ Explanation: Sulfur forms which oxide acidic in nature? Correct option is B.
152. The hybridization of carbon in CO2 is:
A) sp B) sp2 C) sp3 D) sp3d Correct Answer: A Explanation: The hybridization of carbon in CO2 is: Correct option is A.
153. H2O2 decomposes to give:
A) H2 + O2 B) H2O + O2 C) H2 + H2O D) H2O only ■ Correct Answer: B ■ Explanation: H2O2 decomposes to give: Correct option is B.
154. The hybridization of carbon in CO2 is:
A) sp B) sp2 C) sp3 D) sp3d

■ Correct Answer: A

■ Explanation: The hybridization of carbon in CO2 is: Correct option is A.

155. Which complex is diamagnetic?

- A) [Fe(CN)6]4-
- B) [Fe(H2O)6]3+
- C) [Cu(NH3)4]2+
- D) [Ni(CO)4]
- **Correct Answer**: D
- Explanation: Which complex is diamagnetic? Correct option is D.

156. Hydrides of alkali metals are:

- A) Ionic
- B) Covalent
- C) Metallic
- D) Both

■ Correct Answer: A

■ Explanation: Hydrides of alkali metals are: Correct option is A.

157. Which complex is diamagnetic?

- A) [Fe(CN)6]4-
- B) [Fe(H2O)6]3+
- C) [Cu(NH3)4]2+
- D) [Ni(CO)4]
- Correct Answer: D
- Explanation: Which complex is diamagnetic? Correct option is D.

158. Hydrides of alkali metals are:

- A) Ionic
- B) Covalent
- C) Metallic
- D) Both
- **Correct Answer:** A
- Explanation: Hydrides of alkali metals are: Correct option is A.

159. Which molecule has hydrogen bonding?

- A) CH4
- B) NH3
- C) CO2
- D) BF3

■ Correct Answer: B

■ Explanation: Which molecule has hydrogen bonding? Correct option is B.

160. Which is a transition metal?

- A) Zn
- B) Sc
- C) Mg
- D) Al

■ Correct Answer: B

■ Explanation: Which is a transition metal? Correct option is B.

161. Nitrogen exists as: A) N2 B) N4 C) N3 D) N **■ Correct Answer:** A **■ Explanation:** Nitrogen exists as: Correct option is A. **162.** Which is the most reactive alkali metal? A) Li B) Na C) K D) Cs ■ Correct Answer: D ■ Explanation: Which is the most reactive alkali metal? Correct option is D. **163.** Extraction of aluminum involves: A) Electrolysis B) Reduction with C C) Distillation D) Hydration **■ Correct Answer:** A **■ Explanation:** Extraction of aluminum involves: Correct option is A. 164. Which complex is diamagnetic? A) [Fe(CN)6]4-B) [Fe(H2O)6]3+ C) [Cu(NH3)4]2+ D) [Ni(CO)4] ■ Correct Answer: D ■ Explanation: Which complex is diamagnetic? Correct option is D. **165.** The coordination number of [Fe(CN)6]3- is: A) 4 B) 6 C) 2 D) 8 ■ Correct Answer: B ■ Explanation: The coordination number of [Fe(CN)6]3- is: Correct option is B. **166.** Hydrides of alkali metals are: A) Ionic B) Covalent C) Metallic D) Both **■ Correct Answer:** A ■ Explanation: Hydrides of alkali metals are: Correct option is A. **167.** Froth flotation is used for: A) Sulphide ores B) Oxide ores C) Carbonates D) All

■ Correct Answer: A

■ Explanation: Froth flotation is used for: Correct option is A.
168. lonization energy decreases:
A) Across period B) Down group C) Both D) None Correct Answer: B Explanation: Ionization energy decreases: Correct option is B.
169. Alkali metals are stored in:
A) Water B) Air C) Kerosene D) Ethanol Correct Answer: C Explanation: Alkali metals are stored in: Correct option is C.
170. Which is the most reactive alkali metal?
A) Li B) Na C) K D) Cs Correct Answer: D Explanation: Which is the most reactive alkali metal? Correct option is D.
171. Color of Cu2+ ions in aqueous solution:
A) Blue B) Green C) Colorless D) Red Correct Answer: A Explanation: Color of Cu2+ ions in aqueous solution: Correct option is A.
172. Sulfur forms which oxide acidic in nature?
A) SO2 B) SO3 C) S2O3 D) SO Correct Answer: B Explanation: Sulfur forms which oxide acidic in nature? Correct option is B.
173. The coordination number of [Fe(CN)6]3- is:
A) 4 B) 6 C) 2 D) 8 Correct Answer: B Explanation: The coordination number of [Fe(CN)6]3- is: Correct option is B.
174. Nitrogen exists as:
A) N2 B) N4 C) N3 D) N

■ Correct Answer: A ■ Explanation: Nitrogen exists as: Correct option is A. **175.** Which complex is diamagnetic? A) [Fe(CN)6]4-B) [Fe(H2O)6]3+ C) [Cu(NH3)4]2+ D) [Ni(CO)4] ■ Correct Answer: D ■ Explanation: Which complex is diamagnetic? Correct option is D. **176.** Ligand in [Co(NH3)6]3+ is: A) NH3 B) H2O C) CI-D) CN-**■ Correct Answer:** A ■ Explanation: Ligand in [Co(NH3)6]3+ is: Correct option is A. **177.** Alkali metals are stored in: A) Water B) Air C) Kerosene D) Ethanol **■ Correct Answer:** C ■ Explanation: Alkali metals are stored in: Correct option is C. 178. Which element has the highest electronegativity? A) F B) O C) CI D) N **■ Correct Answer:** A ■ Explanation: Which element has the highest electronegativity? Correct option is A. 179. Hydrides of alkali metals are: A) Ionic B) Covalent C) Metallic D) Both **■ Correct Answer:** A

■ Correct Answer: D

A) Li B) Na C) K D) Cs

■ Explanation: Which is the most reactive alkali metal? Correct option is D.

■ Explanation: Hydrides of alkali metals are: Correct option is A.

180. Which is the most reactive alkali metal?

181. Which is a transition metal? A) Zn B) Sc C) Mg D) AI ■ Correct Answer: B **■ Explanation:** Which is a transition metal? Correct option is B. 182. H2O2 decomposes to give: A) H2 + O2 B) H2O + O2 C) H2 + H2OD) H2O only ■ Correct Answer: B ■ Explanation: H2O2 decomposes to give: Correct option is B. **183.** Which halogen is most reactive? A) F2 B) CI2 C) Br2 D) 12 **■ Correct Answer:** A ■ Explanation: Which halogen is most reactive? Correct option is A. 184. CaCO3 decomposes on heating to give: A) CaO + CO2 B) Ca + CO2 C) CaO + C D) Ca + O2 **■ Correct Answer:** A ■ Explanation: CaCO3 decomposes on heating to give: Correct option is A. **185.** H2O2 decomposes to give: A) H2 + O2 B) H2O + O2C) H2 + H2OD) H2O only ■ Correct Answer: B ■ Explanation: H2O2 decomposes to give: Correct option is B. **186.** Ionization energy decreases: A) Across period B) Down group C) Both D) None ■ Correct Answer: B **■ Explanation:** Ionization energy decreases: Correct option is B.

187. H2O2 decomposes to give:

- A) H2 + O2B) H2O + O2 C) H2 + H2OD) H2O only
- Correct Answer: B

■ Explanation: H2O2 decomposes to give: Correct option is B. 188. Extraction of aluminum involves: A) Electrolysis B) Reduction with C C) Distillation D) Hydration **■ Correct Answer:** A **■ Explanation:** Extraction of aluminum involves: Correct option is A. 189. CaCO3 decomposes on heating to give: A) CaO + CO2B) Ca + CO2 C) CaO + C D) Ca + O2 **■ Correct Answer:** A ■ Explanation: CaCO3 decomposes on heating to give: Correct option is A. **190.** Atomic radius increases: A) Across period B) Down group C) Both D) None ■ Correct Answer: B **■ Explanation:** Atomic radius increases: Correct option is B. 191. Which is a transition metal? A) Zn B) Sc C) Mg D) AI ■ Correct Answer: B ■ Explanation: Which is a transition metal? Correct option is B. 192. The bond order in O2 is: A) 1 B) 2 C) 3 D) 1.5 ■ Correct Answer: D **Explanation:** The bond order in O2 is: Correct option is D. 193. Ore of iron is: A) Hematite B) Magnetite C) Bauxite D) Galena **■ Correct Answer:** A **Explanation:** Ore of iron is: Correct option is A. **194.** Which is the most reactive alkali metal? A) Li B) Na C) K D) Cs

■ Correct Answer: D

■ Explanation: Which is the most reactive alkali metal? Correct option is D.

195. Extraction of aluminum involves:

- A) Electrolysis
- B) Reduction with C
- C) Distillation
- D) Hydration
- **Correct Answer:** A
- Explanation: Extraction of aluminum involves: Correct option is A.

196. The hybridization of carbon in CO2 is:

- A) sp
- B) sp2
- C) sp3
- D) sp3d

■ Correct Answer: A

■ Explanation: The hybridization of carbon in CO2 is: Correct option is A.

197. The coordination number of [Fe(CN)6]3- is:

- A) 4
- B) 6
- C) 2
- D) 8

■ Correct Answer: B

■ Explanation: The coordination number of [Fe(CN)6]3- is: Correct option is B.

198. Which is a transition metal?

- A) Zn
- B) Sc
- C) Mg
- D) AI

■ Correct Answer: B

■ Explanation: Which is a transition metal? Correct option is B.

199. Atomic radius increases:

- A) Across period
- B) Down group
- C) Both
- D) None

■ Correct Answer: B

■ Explanation: Atomic radius increases: Correct option is B.

200. Froth flotation is used for:

- A) Sulphide ores
- B) Oxide ores
- C) Carbonates
- D) All

■ Correct Answer: A

■ Explanation: Froth flotation is used for: Correct option is A.

201. Atomic radius increases:

- A) Across period
- B) Down group
- C) Both
- D) None
- Correct Answer: B
- **Explanation:** Atomic radius increases: Correct option is B.

202. Extraction of aluminum involves:

- A) Electrolysis
- B) Reduction with C
- C) Distillation
- D) Hydration
- **Correct Answer:** A
- **Explanation:** Extraction of aluminum involves: Correct option is A.

203. Color of Cu2+ ions in aqueous solution:

- A) Blue
- B) Green
- C) Colorless
- D) Red
- **Correct Answer:** A
- Explanation: Color of Cu2+ ions in aqueous solution: Correct option is A.

204. Ore of iron is:

- A) Hematite
- B) Magnetite
- C) Bauxite
- D) Galena
- **Correct Answer:** A
- Explanation: Ore of iron is: Correct option is A.

205. Which is the most reactive alkali metal?

- A) Li
- B) Na
- C) K
- D) Cs
- Correct Answer: D
- Explanation: Which is the most reactive alkali metal? Correct option is D.

206. H2O2 decomposes to give:

- A) H2 + O2
- B) H2O + O2
- C) H2 + H2O
- D) H2O only
- Correct Answer: B
- **Explanation:** H2O2 decomposes to give: Correct option is B.

207. H2O2 decomposes to give:

- A) H2 + O2
- B) H2O + O2
- C) H2 + H2O
- D) H2O only
- Correct Answer: B

■ Explanation: H2O2 decomposes to give: Correct option is B.

208. CaCO3 decomposes on heating to give:

- A) CaO + CO2
- B) Ca + CO2
- C) CaO + C
- D) Ca + O2
- **Correct Answer:** A
- **Explanation:** CaCO3 decomposes on heating to give: Correct option is A.

209. CaCO3 decomposes on heating to give:

- A) CaO + CO2
- B) Ca + CO2
- C) CaO + C
- D) Ca + O2
- **Correct Answer:** A
- Explanation: CaCO3 decomposes on heating to give: Correct option is A.

210. The hybridization of carbon in CO2 is:

- A) sp
- B) sp2
- C) sp3
- D) sp3d
- **Correct Answer:** A
- Explanation: The hybridization of carbon in CO2 is: Correct option is A.

211. Hydrides of alkali metals are:

- A) Ionic
- B) Covalent
- C) Metallic
- D) Both
- **Correct Answer:** A
- Explanation: Hydrides of alkali metals are: Correct option is A.

212. Sulfur forms which oxide acidic in nature?

- A) SO2
- B) SO3
- C) S2O3
- D) SO
- Correct Answer: B
- Explanation: Sulfur forms which oxide acidic in nature? Correct option is B.

213. Sulfur forms which oxide acidic in nature?

- A) SO2
- B) SO3
- C) S2O3
- D) SO
- **Correct Answer:** B
- Explanation: Sulfur forms which oxide acidic in nature? Correct option is B.

214. Which complex is diamagnetic?

- A) [Fe(CN)6]4-
- B) [Fe(H2O)6]3+
- C) [Cu(NH3)4]2+
- D) [Ni(CO)4]

- Correct Answer: D
- Explanation: Which complex is diamagnetic? Correct option is D.

215. Which molecule has hydrogen bonding?

- A) CH4
- B) NH3
- C) CO2
- D) BF3
- Correct Answer: B
- Explanation: Which molecule has hydrogen bonding? Correct option is B.

216. Extraction of aluminum involves:

- A) Electrolysis
- B) Reduction with C
- C) Distillation
- D) Hydration
- **Correct Answer:** A
- **Explanation:** Extraction of aluminum involves: Correct option is A.

217. Which halogen is most reactive?

- A) F2
- B) CI2
- C) Br2
- D) 12
- **Correct Answer:** A
- Explanation: Which halogen is most reactive? Correct option is A.

218. Hydrides of alkali metals are:

- A) Ionic
- B) Covalent
- C) Metallic
- D) Both
- **Correct Answer:** A
- Explanation: Hydrides of alkali metals are: Correct option is A.

219. Hydrides of alkali metals are:

- A) Ionic
- B) Covalent
- C) Metallic
- D) Both
- Correct Answer: A
- Explanation: Hydrides of alkali metals are: Correct option is A.

220. CaCO3 decomposes on heating to give:

- A) CaO + CO2
- B) Ca + CO2
- C) CaO + C
- D) Ca + O2
- **Correct Answer:** A
- Explanation: CaCO3 decomposes on heating to give: Correct option is A.

221. Ligand in [Co(NH3)6]3+ is: A) NH3 B) H2O C) CI-D) CN-**■ Correct Answer:** A ■ Explanation: Ligand in [Co(NH3)6]3+ is: Correct option is A. 222. Which complex is diamagnetic? A) [Fe(CN)6]4-B) [Fe(H2O)6]3+ C) [Cu(NH3)4]2+ D) [Ni(CO)4] **■ Correct Answer:** D **■ Explanation:** Which complex is diamagnetic? Correct option is D. **223.** The coordination number of [Fe(CN)6]3- is: A) 4 B) 6 C) 2 D) 8 ■ Correct Answer: B ■ Explanation: The coordination number of [Fe(CN)6]3- is: Correct option is B. 224. Nitrogen exists as: A) N2 B) N4 C) N3 D) N **■ Correct Answer:** A ■ Explanation: Nitrogen exists as: Correct option is A. 225. Hydrides of alkali metals are: A) Ionic B) Covalent C) Metallic D) Both **■ Correct Answer:** A ■ Explanation: Hydrides of alkali metals are: Correct option is A. 226. The bond order in O2 is: A) 1 B) 2 C) 3 D) 1.5 ■ Correct Answer: D **■ Explanation:** The bond order in O2 is: Correct option is D. 227. Ore of iron is: A) Hematite B) Magnetite C) Bauxite D) Galena

■ Correct Answer: A

Explanation: Ore of iron is: Correct option is A. **228.** The hybridization of carbon in CO2 is: A) sp B) sp2 C) sp3 D) sp3d **■ Correct Answer:** A ■ Explanation: The hybridization of carbon in CO2 is: Correct option is A. 229. The hybridization of carbon in CO2 is: A) sp B) sp2 C) sp3 D) sp3d **■ Correct Answer:** A ■ Explanation: The hybridization of carbon in CO2 is: Correct option is A. **230.** Which complex is diamagnetic? A) [Fe(CN)6]4-B) [Fe(H2O)6]3+ C) [Cu(NH3)4]2+ D) [Ni(CO)4] **■ Correct Answer:** D **■ Explanation:** Which complex is diamagnetic? Correct option is D. 231. Which complex is diamagnetic? A) [Fe(CN)6]4-B) [Fe(H2O)6]3+ C) [Cu(NH3)4]2+ D) [Ni(CO)4] **■ Correct Answer:** D **■ Explanation:** Which complex is diamagnetic? Correct option is D. 232. Nitrogen exists as: A) N2 B) N4 C) N3 D) N **■ Correct Answer:** A **■ Explanation:** Nitrogen exists as: Correct option is A. 233. H2O2 decomposes to give: A) H2 + O2B) H2O + O2 C) H2 + H2OD) H2O only ■ Correct Answer: B ■ Explanation: H2O2 decomposes to give: Correct option is B. 234. H2O2 decomposes to give:

A) H2 + O2 B) H2O + O2 C) H2 + H2O D) H2O only

■ Correct Answer: B

■ Explanation: H2O2 decomposes to give: Correct option is B.

235. Ore of iron is:

- A) Hematite
- B) Magnetite
- C) Bauxite
- D) Galena

■ Correct Answer: A

■ Explanation: Ore of iron is: Correct option is A.

236. Nitrogen exists as:

- A) N2
- B) N4
- C) N3
- D) N

■ Correct Answer: A

■ Explanation: Nitrogen exists as: Correct option is A.

237. Color of Cu2+ ions in aqueous solution:

- A) Blue
- B) Green
- C) Colorless
- D) Red

■ Correct Answer: A

■ Explanation: Color of Cu2+ ions in aqueous solution: Correct option is A.

238. Fe2O3 is:

- A) Ferric oxide
- B) Ferrous oxide
- C) Both
- D) None

■ Correct Answer: A

■ Explanation: Fe2O3 is: Correct option is A.

239. Which molecule has hydrogen bonding?

- A) CH4
- B) NH3
- C) CO2
- D) BF3

■ Correct Answer: B

■ Explanation: Which molecule has hydrogen bonding? Correct option is B.

240. CaCO3 decomposes on heating to give:

- A) CaO + CO2
- B) Ca + CO2
- C) CaO + C
- D) Ca + O2

■ Correct Answer: A

■ Explanation: CaCO3 decomposes on heating to give: Correct option is A.

A) Hematite B) Magnetite C) Bauxite D) Galena **■ Correct Answer:** A **■ Explanation:** Ore of iron is: Correct option is A. 242. Ionization energy decreases: A) Across period B) Down group C) Both D) None ■ Correct Answer: B **■ Explanation:** Ionization energy decreases: Correct option is B. 243. Fe2O3 is: A) Ferric oxide B) Ferrous oxide C) Both D) None **■ Correct Answer:** A **■ Explanation:** Fe2O3 is: Correct option is A. 244. Ligand in [Co(NH3)6]3+ is: A) NH3 B) H2O C) CI-D) CN-**■ Correct Answer:** A ■ Explanation: Ligand in [Co(NH3)6]3+ is: Correct option is A. **245.** The coordination number of [Fe(CN)6]3- is: A) 4 B) 6 C) 2 D) 8 ■ Correct Answer: B ■ Explanation: The coordination number of [Fe(CN)6]3- is: Correct option is B. 246. Which is the most reactive alkali metal? A) Li B) Na C) K D) Cs ■ Correct Answer: D ■ Explanation: Which is the most reactive alkali metal? Correct option is D. **247.** Extraction of aluminum involves: A) Electrolysis B) Reduction with C C) Distillation D) Hydration **■ Correct Answer:** A

241. Ore of iron is:

■ Explanation: Extraction of aluminum involves: Correct option is A.

248. Which is the most reactive alkali metal?

- A) Li
- B) Na
- C) K
- D) Cs
- **Correct Answer:** D
- Explanation: Which is the most reactive alkali metal? Correct option is D.

249. Froth flotation is used for:

- A) Sulphide ores
- B) Oxide ores
- C) Carbonates
- D) All
- **Correct Answer:** A
- **Explanation:** Froth flotation is used for: Correct option is A.

250. Froth flotation is used for:

- A) Sulphide ores
- B) Oxide ores
- C) Carbonates
- D) All
- **Correct Answer:** A
- **Explanation:** Froth flotation is used for: Correct option is A.