31. Elements of group IA IIA are

A. Electronegative
B. Electropositive
C. Neutral
D. IA is electropositive while IIA is electronegative

Answer: Option B

32. Bond will beionic when E.N difference of bonded atom is

A. Equal to 1.7
B. Greater than 1.7
C. Less than 1.7
D. No specificity exists

Answer: Option B

33. Mostly ionic compound are produced in between elements of

A. IA and VIA
B. IA IIA and VIIA
C. IB and VIIB
D. IA and IB

Answer: Option B

34. Which one of the following has polar covalent bond?

A. HF
B. CH4
C. H2
D. N2

Answer: Option A

35. The Lewis acids are

A. Electron deficient
B. Electron rich
C. Octet is complete
D. No such acids exist

Answer: Option A

36. Sharing of 1 electron pair by one specie forms

A. Single covalent bond
B. Hydrogen bond
C. Double covalent bond
D. Coordinate covalent bond

Answer: Option **D**

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37. Angle in water molecule is

A. 104.9?
B. 104.5?
C. 109.5?
D. 120?

Answer: Option **B**

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38. The geometry of ammonia is

A. Tetrahedral
B. Square planner
C. Trigonal bipyramidal
D. Trigonal Pyramidal

Answer: Option **D**

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39. Orbitals of same energy produced after mixing of orbitals of different energy are called

A. Degenerate orbitals
B. Generate orbitals
C. Hybrid orbitals
D. Zeeman orbitals

Answer: Option **A**

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40. By combining n atmic orbitals no. of hybrid orbitals will be

A. 2n
B. n
C. 3n
D. impossible to predict

Answer: Option **B**