

- a) 2. The number of valance electrons increases b) 3. The atoms lose their electrons more easily
- c) 4. The oxides becomes more acidic d) 1. The elements become less metallic in nature
17. Which group of periodic table does Ge belongs to ? **1**
- a) Group 10 b) Group 14
- c) Group 13 d) Group 4
18. Nitrogen and phosphorus belong to the group 15 of the periodic table. Which of these will be more electronegative? **1**
- a) Nitrogen b) Both are equally electronegative
- c) None of them are electronegative d) Phosphorus
19. What property of all elements in the column of the periodic table as fluorine have in common? **1**
- a) All are electronegative elements b) All have valency 1
- c) All are electronegative elements and have valency 1 d) All are electropositive
20. The family of elements having seven electrons in the outermost shell is _____. **1**
- a) Noble gases b) Alkaline earth metals
- c) Alkali metals d) Halogens
21. State Periodic Law on which the Modern Periodic Table is based. **1**
22. Name the families to which the first and the last element in each period belong. **1**
23. Which is the main difference between Mendeleev's periodic table and long form of periodic table? **1**
24. How many electrons can be present in the valence shells of metal atoms and non-metal atoms? **1**
25. Out of Mg and Al, which is more metallic? **1**
26. In the Modern Periodic Table, which are the metals among the first ten elements? **1**
27. Name two elements you would expect to show chemical reactions similar to magnesium. What is the basis for your choice? **1**
28. State Newlands' Law of Octaves. **1**

29. How many periods and groups are present in the long form of periodic table? **1**
30. What is the name given to the horizontal row in the periodic table? **1**
31. What is the valency of nitrogen? **1**
32. Give one reason for keeping both oxygen and sulphur in the same group of the periodic table. **1**
33. Are the chemical properties of group 1 and group 18 elements similar? **1**
34. What is the relation between Na and Al? **1**
35. To which group noble gas belong in the Modern Periodic table? **1**