



# BELPAHAR ENGLISH MEDIUM HIGH SCHOOL

BELPAHAR.

## Section B (answer all questions)

[3 x 5]

1. Answer the following qs regarding the element  $^{16}\text{X}_8$ :

- Atomic configuration of X
- Periodic position of X.
- Metallic or non-metallic property of X.
- What is the valence of X?
- What is the formula of hydride of X?

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element	P	Q	R	S
Mass no	12	20	23	35
No of neutrones	6	10	12	18

- Write down atomic number and electronic configuration of R.
- Write periodic position of S and Q. Identify them.
- Write down the nature (ionic or covalent) and formula of the compounds formed by R and S
- Write down the nature (ionic or covalent) and formula of the compounds formed by P and S.

3. Some elements are arranged as follows:

Na	Mg	Al	Si	P	S	Cl	Ar
	Ca						
	Sr						
	Ba						
	Ra						

- Arrange the elements given group wise and period wise as per their increasing metallic properties
- Arrange the elements given group wise and period wise as per their decreasing electron affinities
- Arrange the elements given group wise and period wise as per their increasing ionization potential
- Arrange the elements given group wise and period wise as per their decreasing oxidizing capacities
- Arrange the elements given group wise and period wise as per their increasing basic nature.