CHEMISTRY REVISION WORKSHEET- 2019-2020

Std.IX

Ch.4- STRUCTURE OF ATOM

1. An element X is available in the form of two isotopes X and X. Calculate the average atomic mass of element X, if they are available as 76% and 24% respectively.

2. Calculate the no. of protons, electrons and neutrons in Ar, 17CI, 6C, 13AI

3. Write the electronic configuration , valency and valence electrons in K(19) P(15) Ne(10) Si (14)
4. Write the electronic configuration and valence electrons of 0, Mg , N , 20

5. A) Write differences between isotopes and isobars giving an example of each.

B) Name the three isotopes of hydrogen.

- 6. Isotopes of an element have the same chemical properties. Explain. Mention the applications of isotopes.
- 7. Mention the observation and conclusion of Rutherford's model of an atom. Write any one drawback.
- 8. Define mass number of an element.