



## St. Mary's Convent Inter College, Prayagraj

### Second Unit Assessment –2024-25

Time : 1hr.

Class- 9

M.M. : 30

Chemistry

Name : .....

Roll No. ....

Date : .....

**Note:-Attempt all the questions**

#### Section –A

**Q.1) Name The Following:-**

(10)

(5)

- Chemical responsible for the destruction of the ozone layer.
- The gas used in bright colored advertising light works.
- The color imparted by sodium to the flame.
- The group to which Noble gases belong.
- ~~Chemical responsible for the destruction of the ozone layer.~~  
Group having the maximum metallic character

**Q.2) Fill in the blanks:-**

(5)

- Moving down in a group in the second group, the number of valence electrons \_\_\_\_\_.
- The verticals columns in a periodic table are called \_\_\_\_\_.
- Ozone layer prevents the harmful \_\_\_\_\_ radiations of sun to reach the earth.
- Going in a period left to right, the atomic size \_\_\_\_\_.
- Bromine is a \_\_\_\_\_ at room temperature.

#### Section –B

(20)

**Q. 3) a.) Define Acid rain.**

(1)

b.) Write two harmful effects of Acid rain.

(2)

c.) Name two Green House gases.

(2)

d.) Write two ways to reduce Global Warming.

(2)

e.) Arrange the elements as per the instructions given in the bracket:

(3)

- Na, Al, Cl, K (decreasing order of their atomic size)
- Be, F, C, O (increasing order of their valence electrons)
- Cl, F, Br, I (decreasing order of their reactivity)

**Q.4) a.) What is Modern Periodic Law?**

(1)

b.) Write the harmful health effects of the following-

(2)

(i) Lead

(ii) Carbon dioxide.

c.) Describe any two merits of Mendeleev's table.

(2)

d.) Give reason:

(2)

i) Alkali metals are kept in inert solvent.

ii) Inert gases do not form compounds.

e.) Write the informations given below about  ${}_{17}\text{T}^{35--}$

(3)

i) Is it a metal or a non- metal?

ii) What is the valency of T?

iii) How many valence electrons are there in an atom of T.