

## XI Chemistry Worksheet

Time: 30 min

Ch#11: The p-Block Elements -01

Full Marks: 20

### Instructions:

1. All questions are compulsory.

2. Please give the explanation for the answer where applicable.

Q1 - Why does boron not form  $B^{3+}$  ions?

(1 Mark)

Q2 - Write two important compounds of Boron.

(1 Mark)

Q3 -How do we obtain Metaboric Acid?

(1 Mark)

Q4 -Give the chemical equation involved in the preparation of Diborane in laboratory.

(2 Marks)

Q5 - How do we prepare orthoboric acid?

(2 Marks)

Q6 -  $[\text{SiF}_6]^{2-}$  is known whereas  $[\text{CF}_6]^{2-}$  is not. Why?

(2 Marks)

Q7 - Give the uses of diamond.

(2 Marks)

Q8 -What do you understand by Water gas?

(3 Marks)

Q9 -How do we obtain producer gas?

(3 Marks)

Q10 -What is dry ice? How will you prepare pure sample of CO (carbon monoxide)?

(3 Marks)