



# ADITYA DEGREE COLLEGES

## ANDHRA PRADESH

### II SEMESTER - MID -1 EXAMINATIONS

#### I – B.Sc CHEM MAJOR

#### INORGANIC CHEMISTRY - I

Max. Marks : 60

Time : 2 Hr

Date:

### SECTION – A

#### I. Answer any FIVE of the following:

4 x 5 = 20 M

1. Structure of boron nitride.
2. Explain Borazine.
3. Preparation of silanes
4. Write about Pseudo halogens.
5. Write about structure of silanes.
6. Write classification of interhalogen compounds.
7. Write the uses of silicones.
8. Structures of oxides of sulphur.

### SECTION – B

#### II. Answer all the following questions:

4 x 10 = 40 M

9. a) Write preparation and structure of diborane.  
(or)  
b) Write about preparation and structure of phosphonitric chloride.
10. a) Discuss preparation and classification of silicones.  
(or)  
b) Write about classification of oxides.
11. a) Write preparation and structure of interhalogen compounds.  
(or)  
b) Write structures of oxoacids of sulphur.
12. a) Write about preparation and structure of borazine.  
(or)  
b) What are pseudohalogens?

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