

# VISWABHARATI - GUDIVADA

## WORK SHEET -1

### Chapters: Acids , Bases & Salts, Structure of Atom

Class: X

Time: 75min

Subject: Chemistry

Marks: 30

Name \_\_\_\_\_ Class/Sec: \_\_\_\_\_ Roll No: \_\_\_\_\_

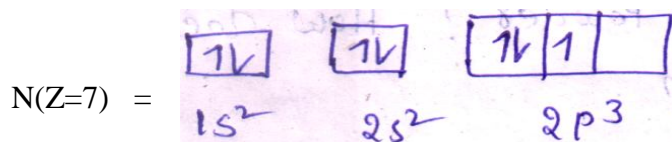
#### D) Answer the following Questions

15 × 2 = 30

1. What is baking powder? How does it makes the cake soft and spongy?
2. Give two important uses of washing Soda and Baking Soda?
3. How Caustic Soda(NaOH) prepared from Brine Solution.
4. Dry Hcl gas does not turn blue litmus to red where as Hcl does Why?
5. What are ol factory indicators? Give examples?
6. Write chemical formula of bleaching powder? Write its preparation?
7. Plaster of paris should be stored in moisture proof container. Explain?
8. Rainbow is an example for continuous spectrum. Explain?
9. An electron in an atom has the following set of four quantum numbers to which orbital it belongs to and name that element?

n	l	ml	ms
2	0	0	+1/2

10. Name the principle an orbital can hold two electrons. Explain?
11. How many Elliptical orbits are added by Sommerfield in third Bohr's orbit? What was the purpose of adding these elliptical orbits?
12. The wave length of radio wave is 1.0m. Find its frequency.
13. Following diagram shows the electron configuration of Nitrogen atom. Which rule does not support this? Write current electronic configuration?



14. Explain why electrons enter into 4s orbital but not 3d after filling the 3p orbital?
15. Draw a neat diagram to show that increasing order of energy levels of orbitals ?