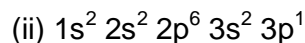
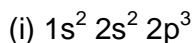


08. STRUCTURE OF ATOM

1. Draw the diagram that shows the order of energy of orbitals.
2. The electronic configuration of helium is $1s^2$. Compare this with nl^x method.
3. Draw the diagrams of five d-orbitals.
4. Explain aufbau principle with an example.
5. Complete the following table. This belongs to quantum numbers of three electrons present in Lithium atom.

	n	l	m_l	m_s
1 st electron				
2 nd electron				
3 rd electron				

6. Identify the following electronic configurations that which atoms they belongs to.



7. If $l = 1$ find the maximum and minimum values of m_l
8. If $n = 5$ find the maximum and minimum values of l .
9. Suhana wrote the electronic configuration of carbon as follows.



Is it correct ? Why ? Adjust and rewrite the configuration if needed.

10. What can we know from the electronic configuration of an atom?