

VISWABHARATI - GUDIVADA
RAPID FIRE ROUND TEST

WORK SHEET - 2

Syllabus: Structure of atom, Periodic Table

Class: X

Subject: Chemistry

Name _____ **Class/Sec:** _____ **Roll No:** _____

Time: 1Hr

Marks: 25

Roll No: _____

I. Answer the following Questions.

5 × 4 = 20

1. Explain about Quantum numbers.
2. Fill the following table.

n	l	m _l	m _s
1			
2			
	1		
3			
	2		
4			
	3		

3. How elements are classified into s, p,d,f blocks?
4. The electronic configuration of A,B,C,D and E are as follows.
A = $1s^2 2s^2 2p^1$ B = $1s^2 2s^2 2p^6 3s^2 3p^1$
C = $1s^2 2s^2 2p^6 3s^2 3p^6$ D = $1s^2 2s^2 2p^6 3s^2 3p^3$ E = $1s^2 2s^2 2p^6 3s^2 3p^6 4s^1$
 - i) Which of these belongs to same group?
 - ii) Which of these belongs to same period?
 - iii) Name the element E?
 - iv) Which element belongs S-block?
5. What is Ionisation energy and write it's factors?

II. Draw a neat sketch of shapes of s, p, d orbitals:

1×5 = 5