

Unit Test

CHEMISTRY

Time:1hr Mark:20

Answer the following questions (1*8)

1_Find the subshell which are not possible ?

(3s,2p,3f,3d)

2_Maximum electron present in f subshel ?

(10,6,7,14)

3_Find atomic number of element A_1s²,2s²,2p⁴.

4_Which is the subshell having highest energy.

(2s,3p,3d,4s)

5_write subshell in fourth shell?

6_Arrainge the following subshell in increasing order of energy?

(4s,2p,3d,4f,6s,5p)

7_which subshell is common to all shell ?

8_what is the oxidation state of Mn in Mn₂O₇ ?

Answer the questions 9_12 (4*3)

9_Atomic number of Fe is 26 write it's electronic configuration, block & period ?

10_write 3 characteristic
of d block elements ?

11_Mn it's atomic number is 25

a) write electronic configuration of Mn²⁺ ?

b) write it's block & period?

12_Last electron goes to 3d⁸,

a) write complete electronic configuration ?

b) write group and period ?