	ut of Cu ²⁺ , Fe ²⁺ and Cr ³⁺ , which ion is most iramagnetic and why?
්ට . Tł Cι	ne electronic configuration of valence shell of its $3d^{10}4s^1$ and not $3d^94s^2$. How is this
cc	onfiguration explained?
Q TAT	:
,	rite the electronic configuration of $_9F^{19}$, $_{16}S^{32}$ d $_{18}Ar^{38}$ and then point out the element with
	i) maximum nuclear charge.
	i) minimum number of neutrons.i) maximum number of unpaired electrons.
(11	y maximum number of unpuriou electrons.
8 . In	each of the following pairs of salts, which
7 '	e is more stable?
() Ferrous and ferric salts
(i) Cuprous and cupric salts
(iii)	List the quantum numbers $(m_l \text{ and } l)$ of electrons for $3d$ -orbital. Which of the following orbitals are possible? $1p, 2s, 2p$ and $3f$.
A Inc	licate the number of unpaired electrons in
	P (ii) Si (iii) Cr (iv) Fe (v) Kr
, ,	
8 . (i)	Write the electronic configurations of the following ions.
	(a) H^- (b) Na^+ (c) O^{2-} (d) F^-
(ii)	What are the atomic numbers of elements whose outermost electrons are represented by
	(a) $3 s^2$ (b) $2p^3$ (c) $3p^5$?
(iii)	Which atoms are indicated by the following configuration?
	(a) [He] $2s^1$ (b) [Ne] $3s^2 3p^3$
	(c) [Ar] $4s^2 3d^1$