

Select the correct statement about brown ring complex ion $[\text{Fe}(\text{H}_2\text{O})_5(\text{NO})]^{2+}$. (

A) Colour change is due to charge transfer

(B) It has iron in +1 oxidation state and nitrosyl as NO^+

(C) It has magnetic moment of 3.87 BM confirming three unpaired electrons in Fe

(D) All the above are correct statements.

Ans : D.

In this There is a special case of $\text{Fe}(+1)$ compound . calculate all things accordingly