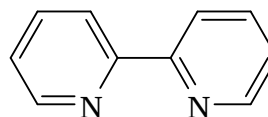


- Complete the following table. NCS^- = isothiocyanate ion

Marks
5

bipy = 2,2'-bipyridine = $(\text{C}_5\text{H}_4\text{N})_2 =$



Formula	$\text{K}_2[\text{Zn}(\text{CN})_4]$	$[\text{Co}(\text{bipy})(\text{NH}_3)_4]\text{Cl}_3$	$[\text{Co}(\text{bipy})_2(\text{NCS})_2]$
Oxidation state of transition metal ion			
Coordination number of transition metal ion			
Number of <i>d</i> -electrons in the transition metal ion			
Coordination geometry of the complex ion			
List all the ligand donor atoms			