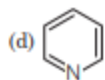
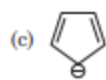
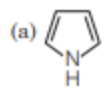
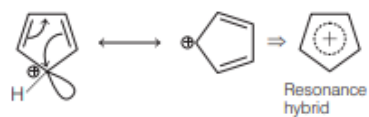



Which of the following compounds is not aromatic?
(2019 Main, 9 Jan II)



Aromaticity of a compound can be decided by Huckel's rule. In cyclopentadienyl cation (b), resonance takes place as follows:



Hence,  is anti-aromatic does not follow

Huckel's rule as it has conjugated 4π -electron ($4n\pi$, $n = 1$) system. Rest of the species are aromatic as each of them belongs to 6π -electron [$(4n + 2)\pi$, $n = 1$] system.