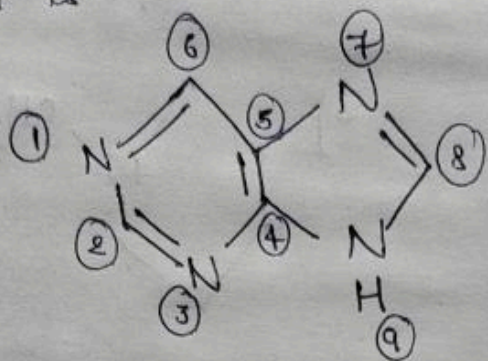


6. The "N" which does not contribute to the basicity of the compound is -  
(Main-2016)



- a) N7      b) N9      c) N1      d) N3.

Solution → b) is the correct answer.

The lone pairs on N1, N3 and N7 cannot be a part of resonance since these nitrogens are already at one end of a  $\pi$ -bond. These lone pairs are localised.

On the other hand, N9 is free to be a part of resonance and help make the compound aromatic. Hence why it is not available to affect the basicity of the compound. Rather, the lone pair is being used to stabilize the compound.