

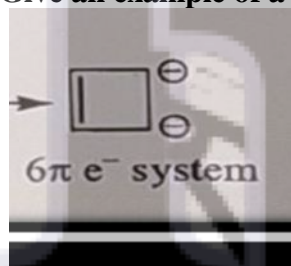
Engineering Chemistry – D1- Quiz

Date: 10/12/2021

Time: 11.00 am

Marks: 10

1. Methyl groups in isopropyl cation stabilize the system through **+I effects**.
2. The % s character of cyclopropyl anion carbon is **33 %** and is higher than that of **methyl anion** carbon
3. Identify the aromaticity of the cation and anion of cyclopentadiene..... and (**anti aro and aro**)
4. Give an example of a 6π electron system with 4 carbon atoms.



5. Identify the functional groups present in salicylic acid (**OH and C=O**)
6. Which is the anode when electroplating of Ag on SS plate is performed? (**Ag**)
7. Ga forms n- type semi conductor when it is doped with(**P/As/Sb**)
8. The process takes place at the anode in H₂-O₂ fuel cell is..... (**formation of H⁺**)
9. identify the cathode materials to be used in SOFC among Ni-ZrO₂, LaMnO₃ and CeO₂ (**ans LaMnO₃**)
10. Give an example of a oxide of a metal possessing d8 electrons used as a working electrode. (**ZnO**)

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