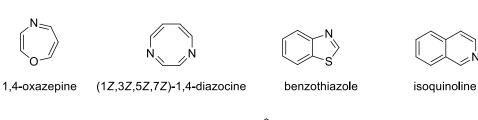
## FRO-II 2021 QUESTIONS OF THE WEEK 6 – SOLUTIONS

1)



2)

3)

$$Cl_{2}, AlCl_{3}$$

$$100^{\circ}C$$

$$=> meta-position is the least deactivated position$$

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pyridine *N*-oxide: electron rich, ortho-/para-orienting