

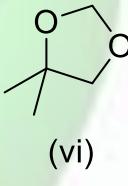
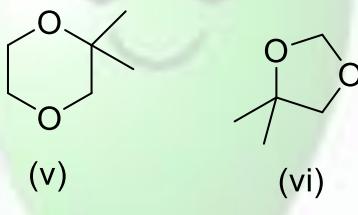
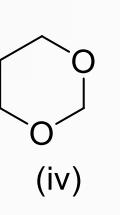
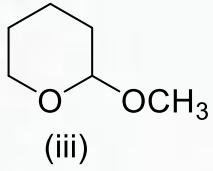
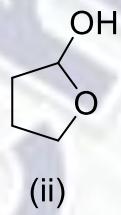
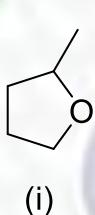
# Worksheet Organic Chemistry

## JEE/NEET

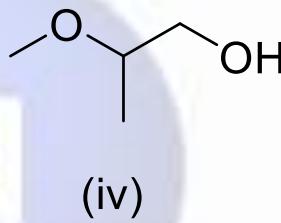
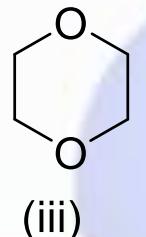
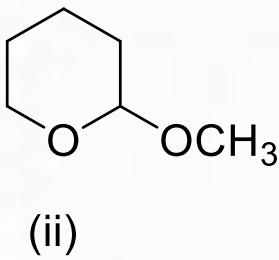
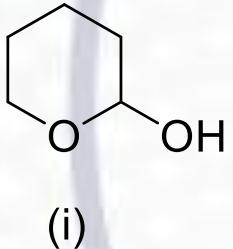
### Chemistry Affinity

Conceptual, Real world, Happy Learning

**1. Which of the following compounds are acetals?**

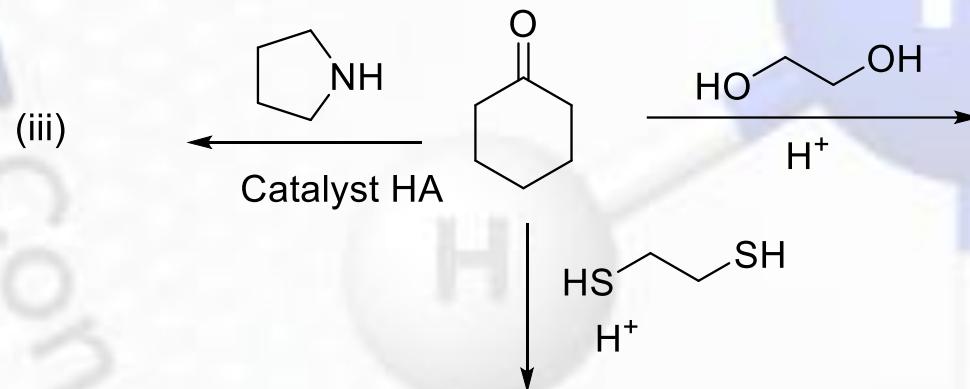
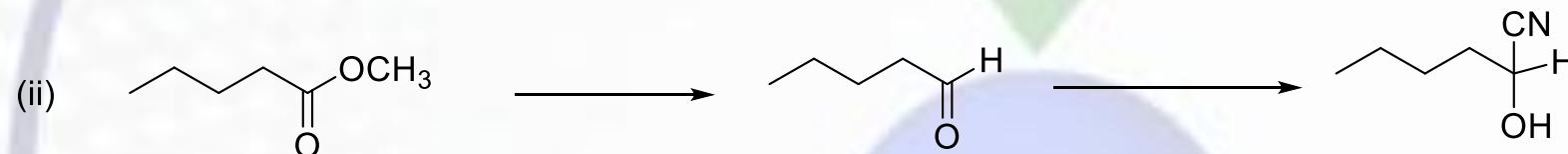
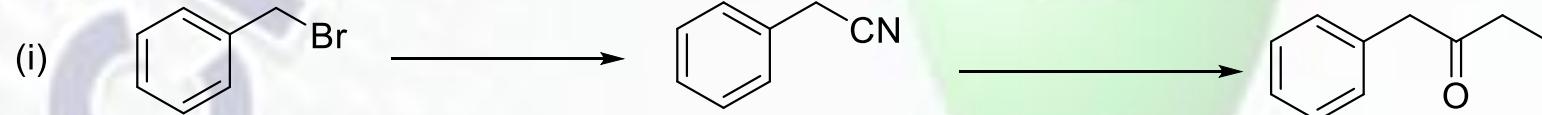


**2. Which of the following compounds are hemiacetals?**

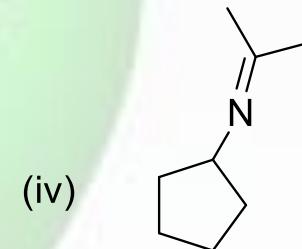
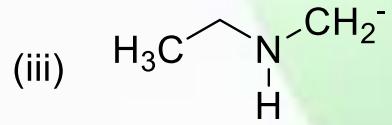
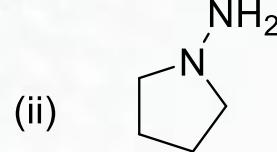
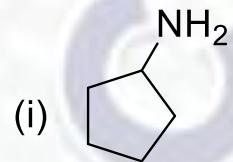


**3. Draw the most stable tautomer of 2-pentanone in aqueous acid with proper explanation?**

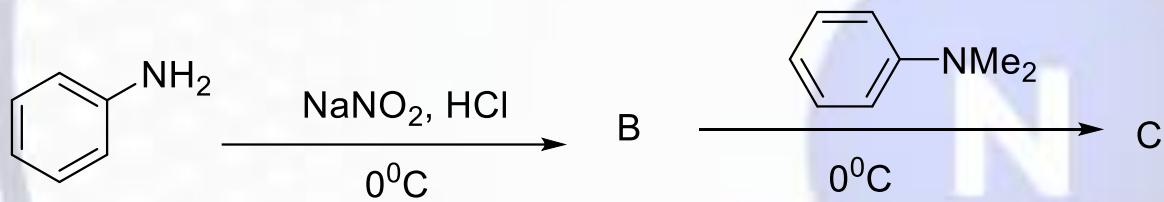
#### 4. Write down reagents and products for the following reactions



**5. Which of the following compound in Schiff base?**



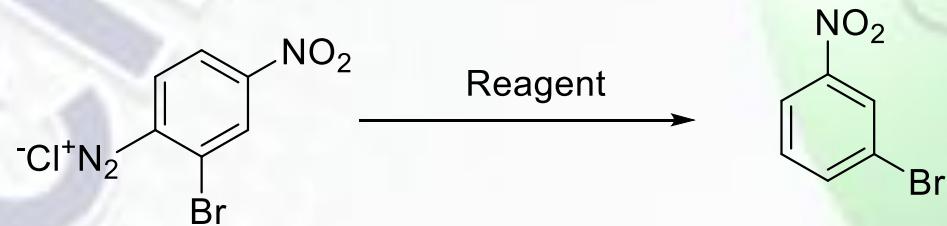
**6. In a reaction of aniline, a coloured product C is formed. Identify C.**



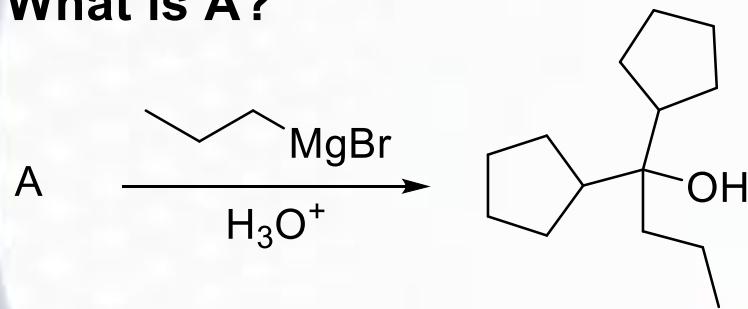
**7. What is the product obtained in the following reaction?**



**8. Write down the correct reagent for below conversion?**

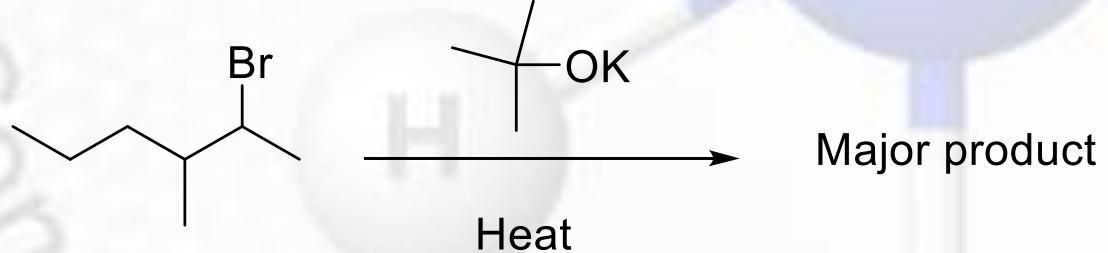
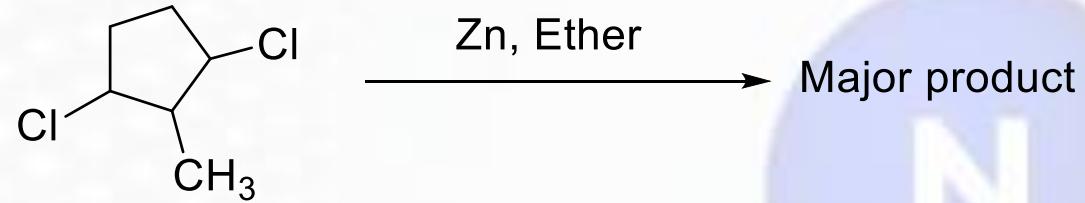
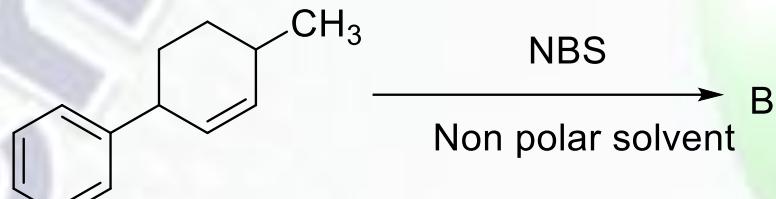


**9. What is A?**



**10. A given nitrogen containing aromatic compound A reacts with Sn/HCl followed by  $\text{HNO}_2$  give an unstable compound B. B on treatment with phenol gives a coloured compound C with molecular formula  $\text{C}_{12}\text{H}_{10}\text{N}_2\text{O}$ . What will be the structure of compound A?**

## 11. Write down the correct products for below conversions?





# All the Best