



CHEMISTRY

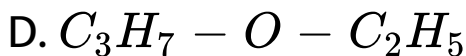
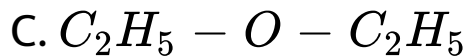
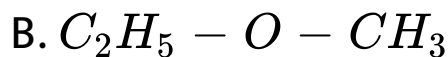
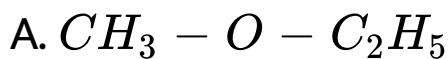
NCERT - FULL MARKS

CHEMISTRY(TAMIL)

ETHERS

Self Evaluation A Choose The Correct Answer

1. Which one of the following is simple ether?



Answer:



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2. Diethyl ether can be decomposed with



B. $KMnO_4$

C. $NaOH$

D. H_2O

Answer:



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3. When ethyl iodide is treated with dry silver oxide it forms

A. Ethyl alcohol

B. diethylether

C. silver ethoxide

D. ethylmethyl ether

Answer:



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4. Ether is formed when alkylhalide is treated with sodium alkoxide. This method is known as

A. Hoffmann reaction

B. Williamson's synthesis

C. Wurtz synthesis

D. Kolbe's reaction

Answer:



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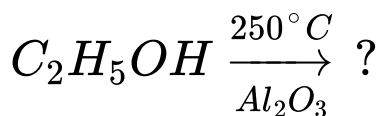
Self Evaluation C Answer In One Or Two Sentences

1. Write a note on williamson synthesis.



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2. Complete and balance



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3. Mention the uses of diethyl ether.



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4. What happens when anisole is treated with Lewis acid ?



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5. What happens when anisole is nitrated ?



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6. Write equation for the conversion of phenol to anisole



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Self Evaluation D Answer Not Exceeding Sixty Words

1. Write all possible isomers with the molecular formula $C_4H_{10}O$ and name them.



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2. Give any three methods of preparing diethyl ether.



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3. Mention the methods of preparation of anisole.



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4. How does diethyl ether react with the following reagents ?

A. O_2 / long contact

B. HI in excess

C. PCl_5

D. dilute H_2SO_4

Answer:



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5. Illustrate electrophilic substitution reactions of anisole.



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6. Explain the formation of CH_3I and phenol when anisole is heated with HI .



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