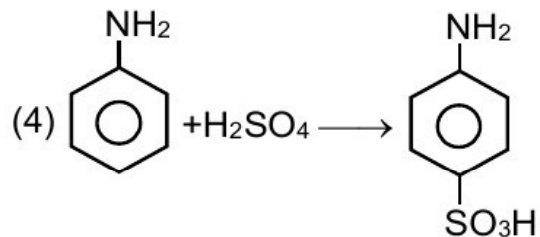
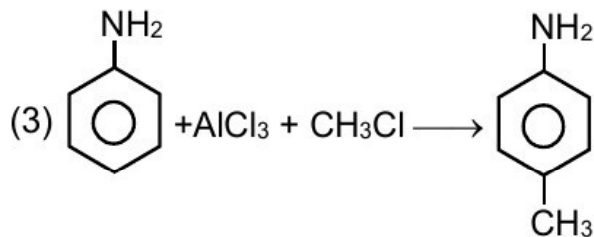
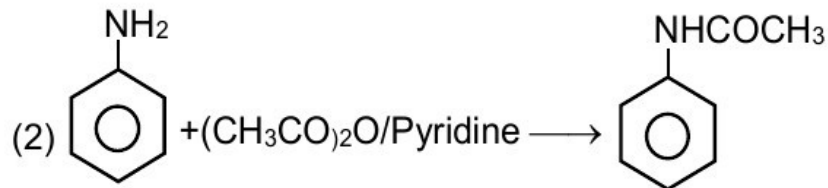
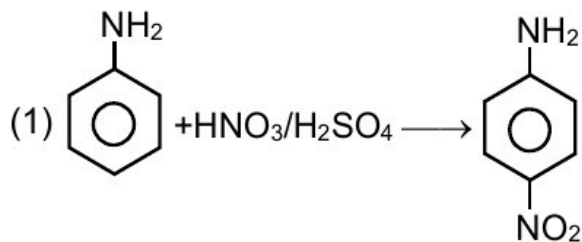


Aromatic Compounds

By
Sinha Sir, Kota

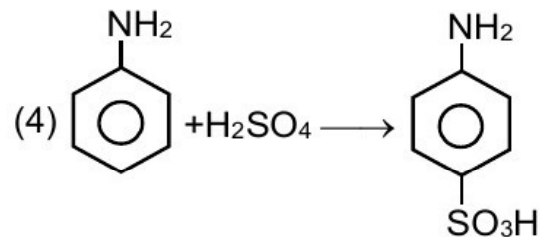
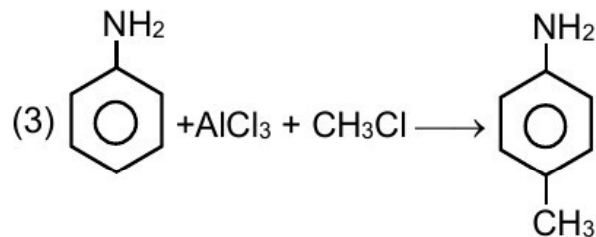
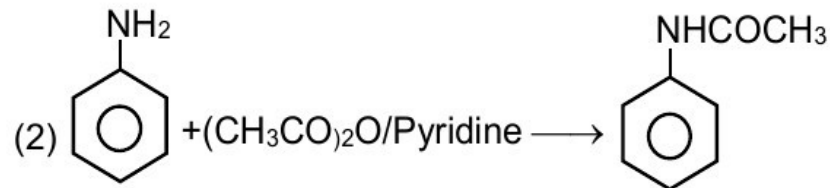
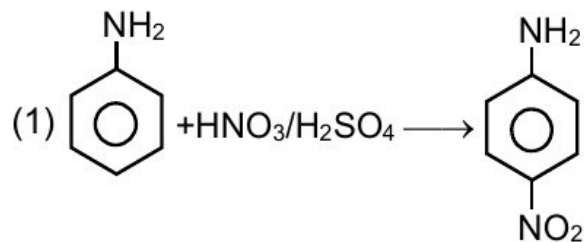
Which one of the following reactions does not occur?



Aromatic Compounds

By
Sinha Sir, Kota

Which one of the following reactions does not occur?



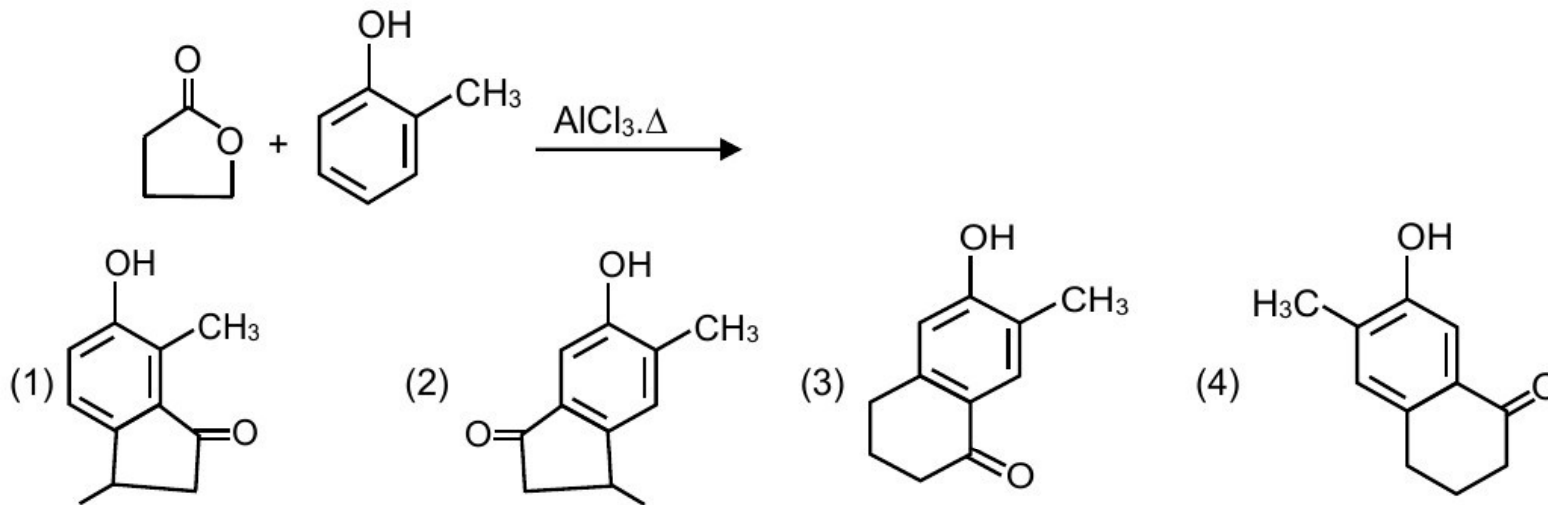
Ans = 3

FCR does not takes place at aniline or phenol.

Aromatic Compounds

By
Sinha Sir, Kota

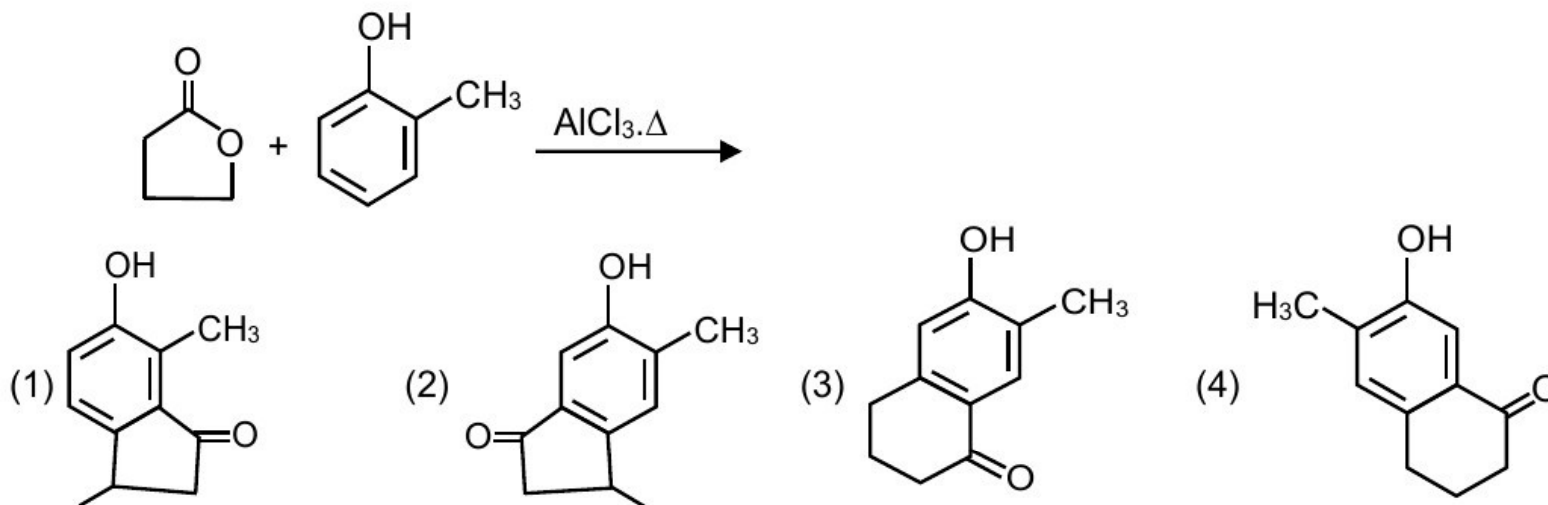
The major product of the following reaction is :



Aromatic Compounds

By
Sinha Sir, Kota

The major product of the following reaction is :



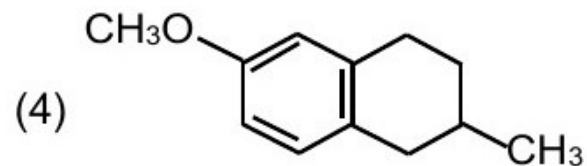
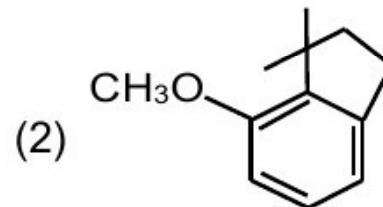
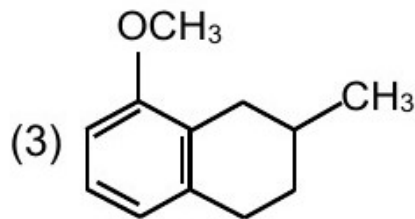
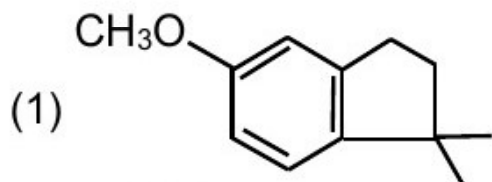
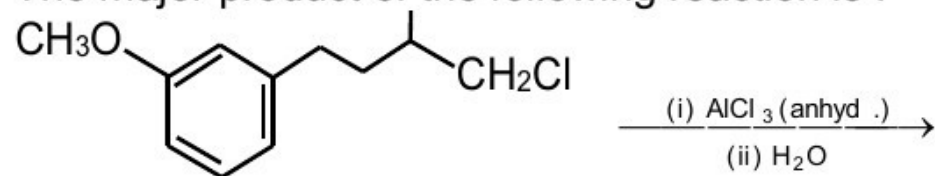
Ans = 3

FCR at para followed by intramolecular cyclization.

Aromatic Compounds

By
Sinha Sir, Kota

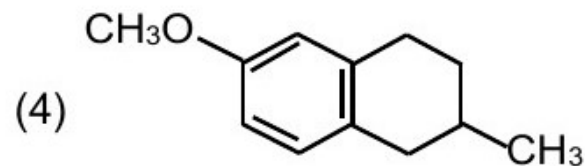
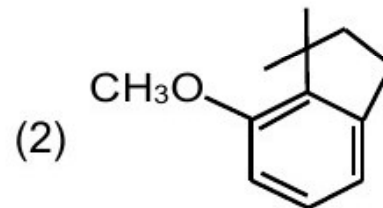
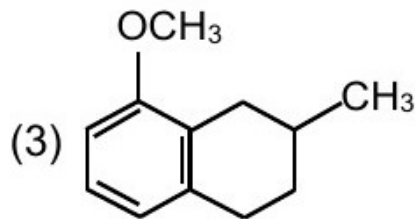
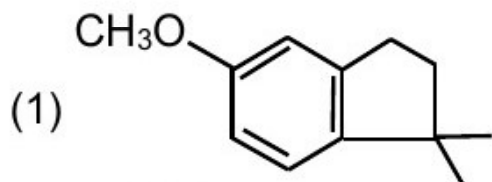
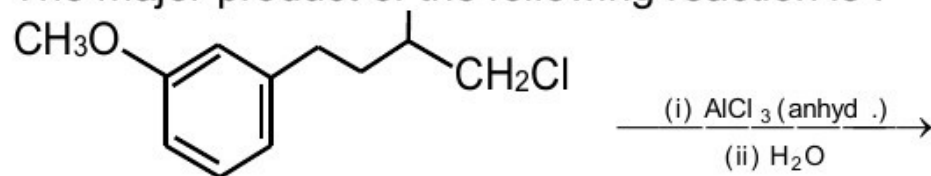
The major product of the following reaction is :



Aromatic Compounds

By
Sinha Sir, Kota

The major product of the following reaction is :



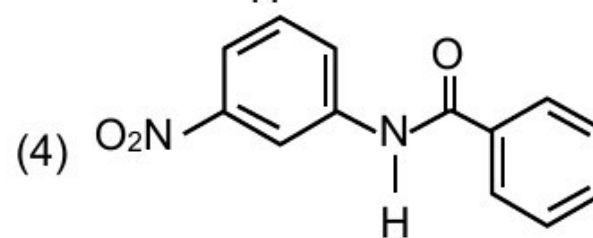
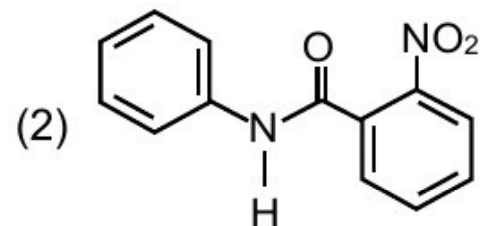
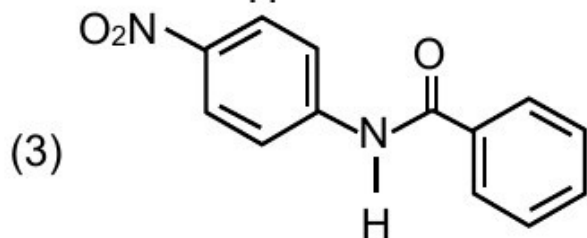
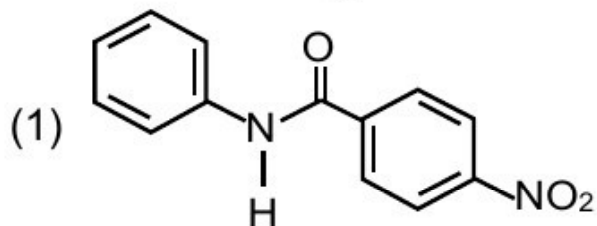
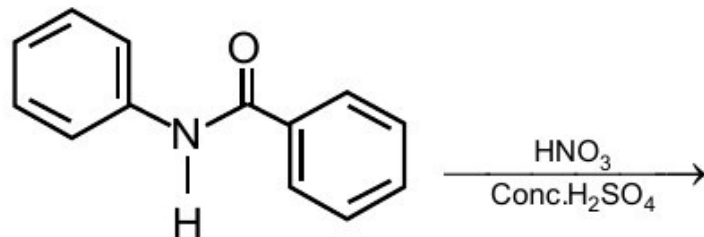
Ans = 1

FCR at para to methoxy.

Aromatic Compounds

By
Sinha Sir, Kota

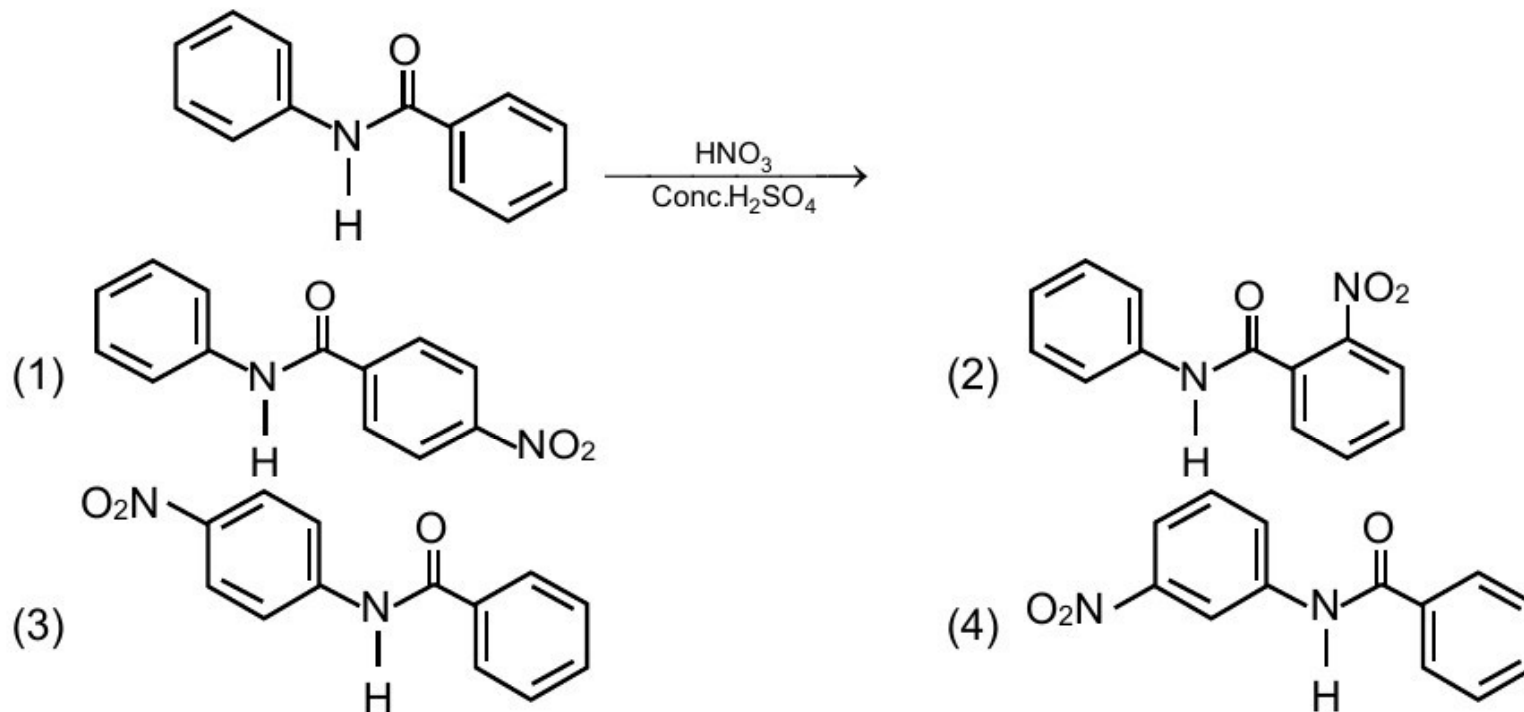
What will be the major product in the following mononitration reaction?



Aromatic Compounds

By
Sinha Sir, Kota

What will be the major product in the following mononitration reaction?



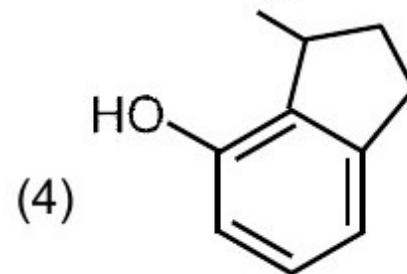
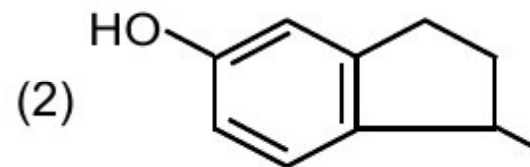
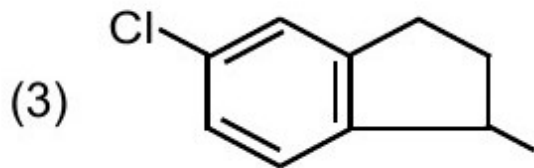
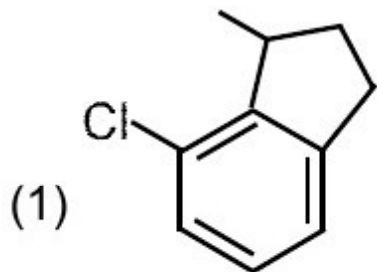
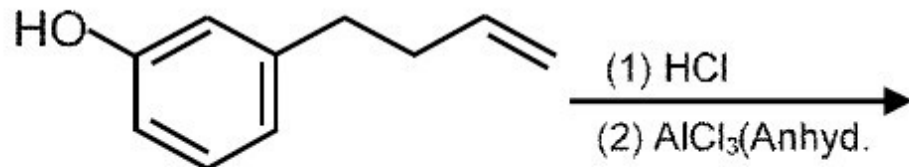
Ans = 3

At activated ring , at para position.

Aromatic Compounds

The major product of the following reaction is :

निम्न अभिक्रिया का मुख्य उत्पाद है :



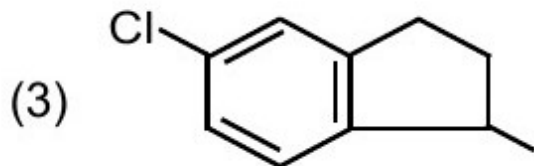
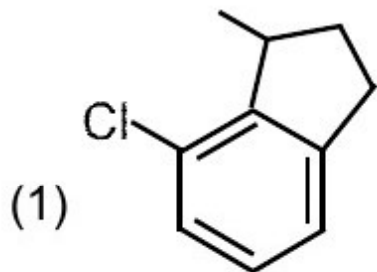
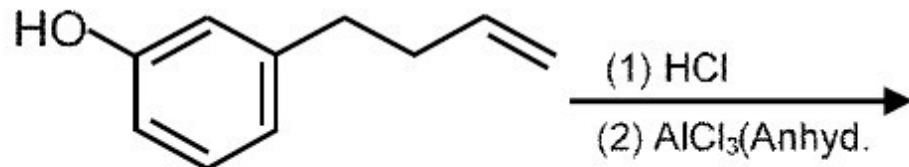
By

Sinha Sir, Kota

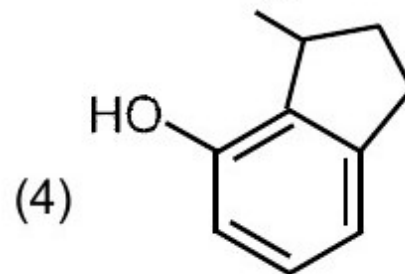
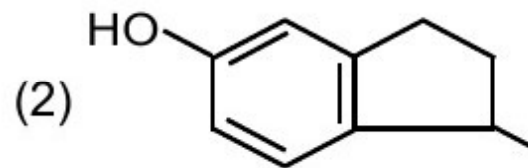
Aromatic Compounds

The major product of the following reaction is :

निम्न अभिक्रिया का मुख्य उत्पाद है :



By
Sinha Sir, Kota



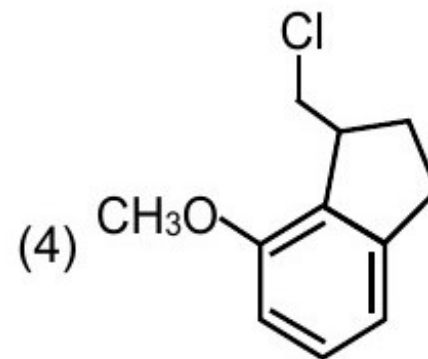
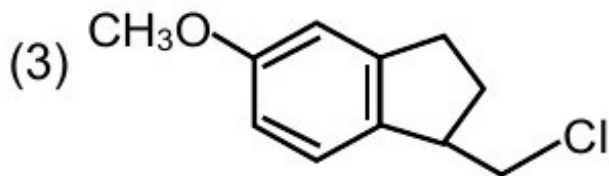
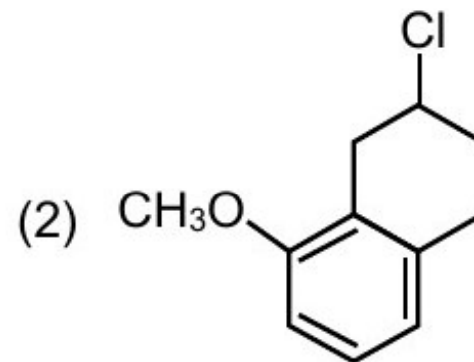
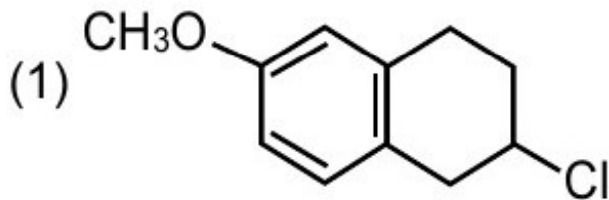
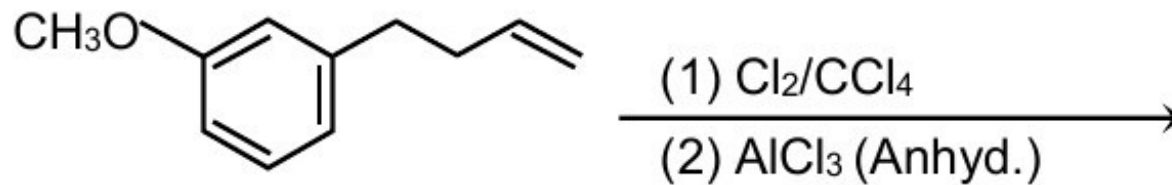
Ans = 2

FCR at para to -OH group.

Aromatic Compounds

By
Sinha Sir, Kota

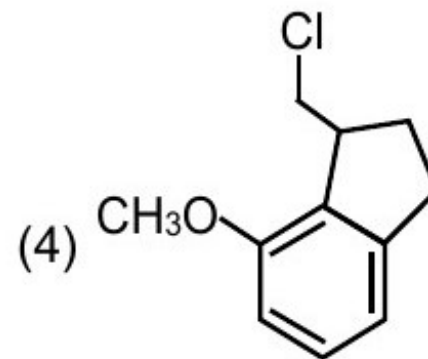
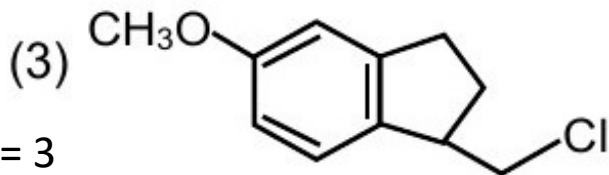
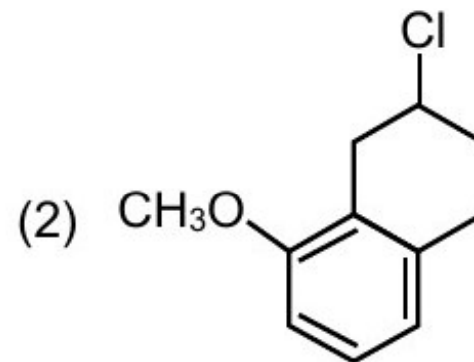
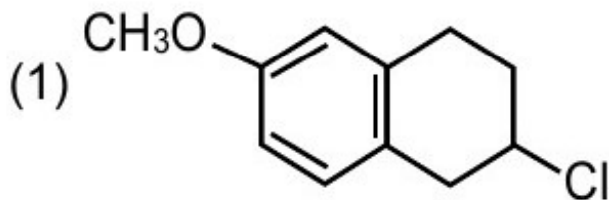
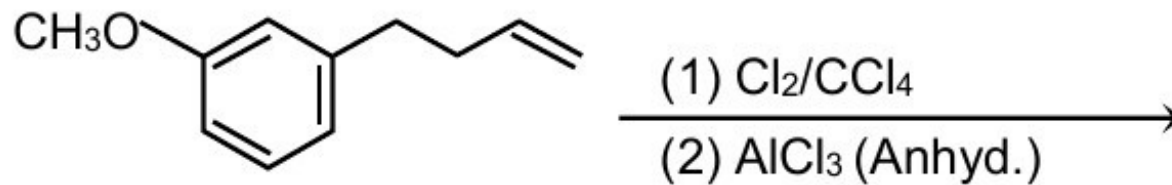
The major product of the following reactions is :



Aromatic Compounds

By
Sinha Sir, Kota

The major product of the following reactions is :



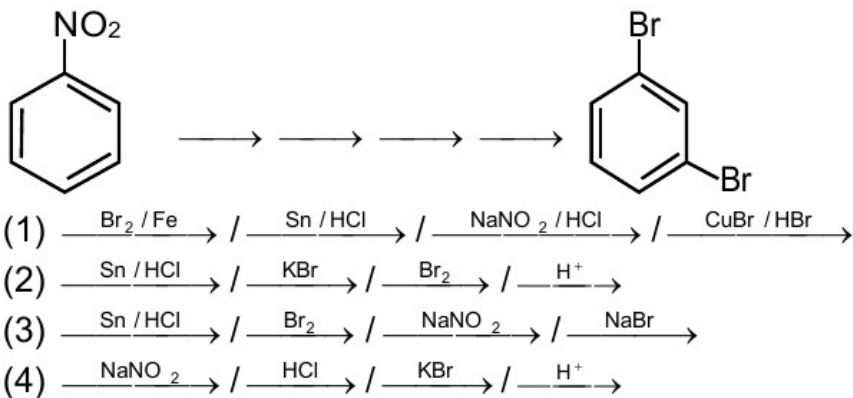
Ans = 3

FCR at para to $-\text{OMe}$ group.

Aromatic Compounds

By
Sinha Sir, Kota

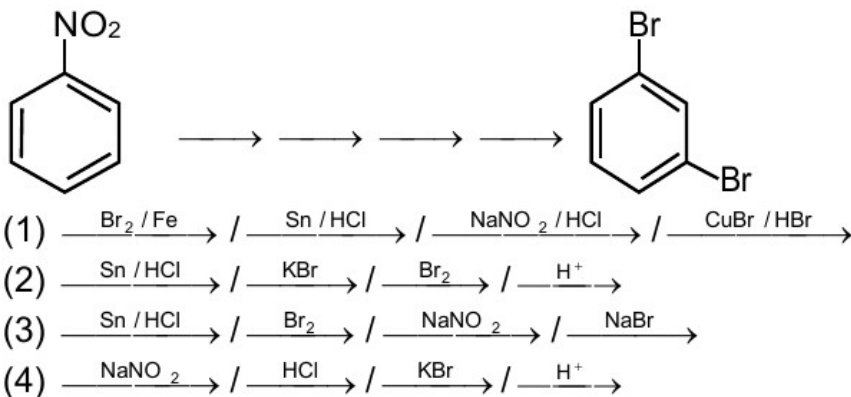
What is the correct sequence of reagents used for converting nitrobenzene into m-dibromobenzene ?



Aromatic Compounds

By
Sinha Sir, Kota

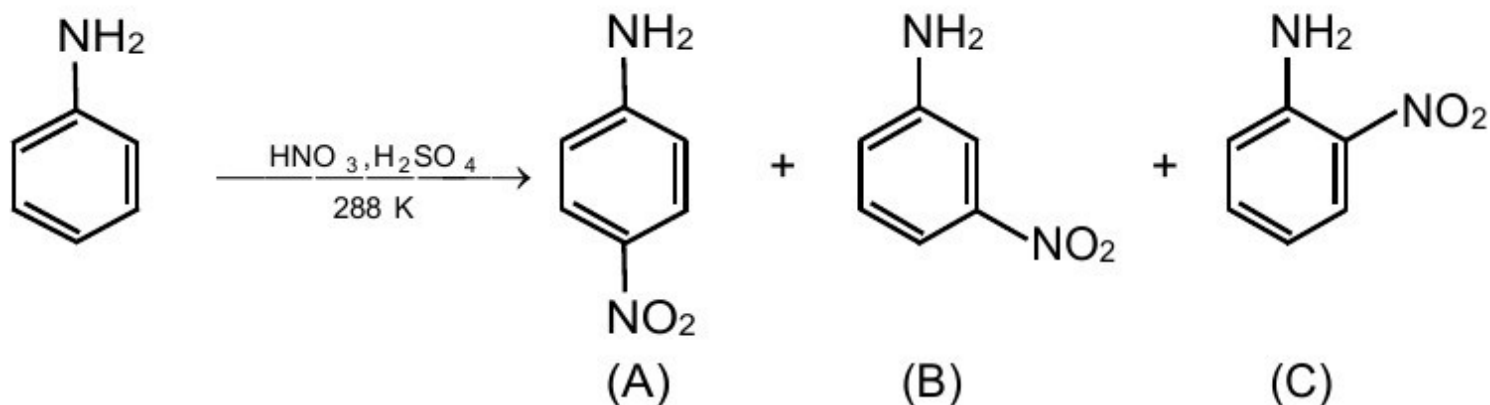
What is the correct sequence of reagents used for converting nitrobenzene into m-dibromobenzene ?



Ans = 1

Aromatic Compounds

By
Sinha Sir, Kota

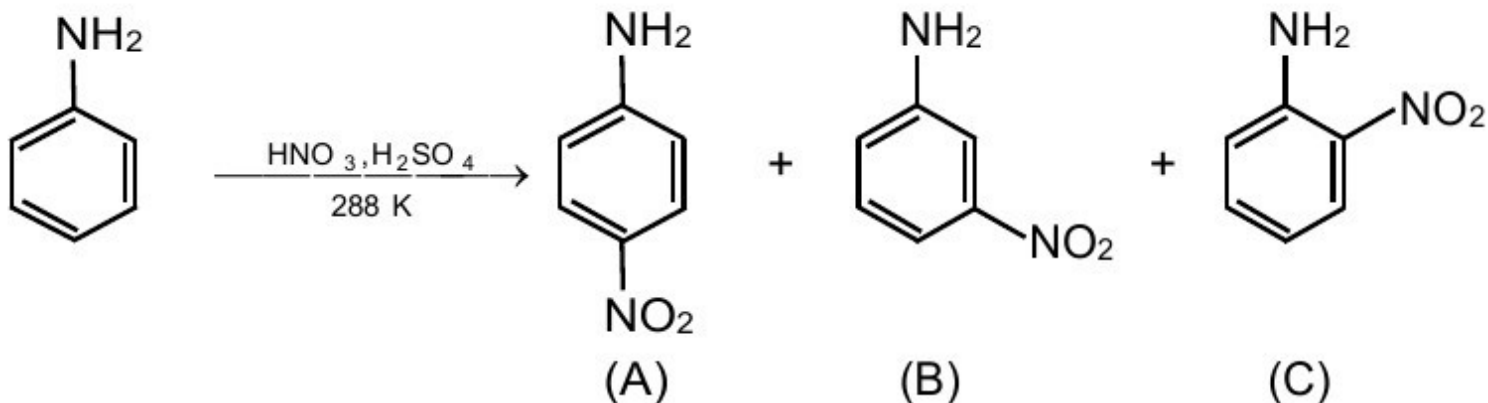


Correct statement about the given chemical reaction is :

- (1) – NH_2 group is *ortho* and *para* directive, so product (B) is not possible.
- (2) The reaction will form sulphonated product instead of nitration.
- (3) Reaction is possible and compound (A) will be major product.
- (4) Reaction is possible and compound (B) will be the major product.

Aromatic Compounds

By
Sinha Sir, Kota



Correct statement about the given chemical reaction is :

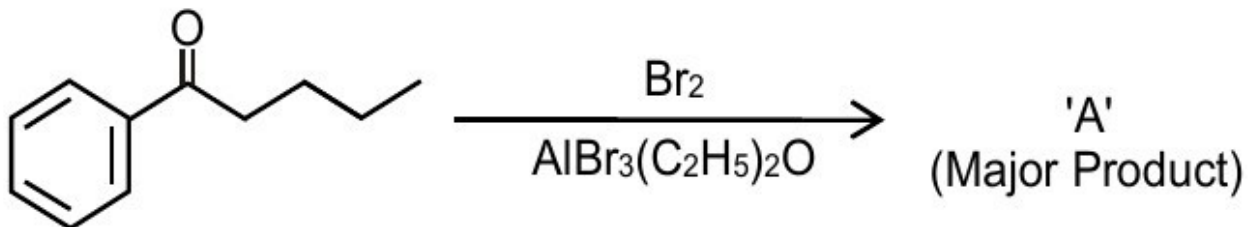
- (1) – NH_2 group is *ortho* and *para* directive, so product (B) is not possible.
- (2) The reaction will form sulphonated product instead of nitration.
- (3) Reaction is possible and compound (A) will be major product.
- (4) Reaction is possible and compound (B) will be the major product.

Ans = 3

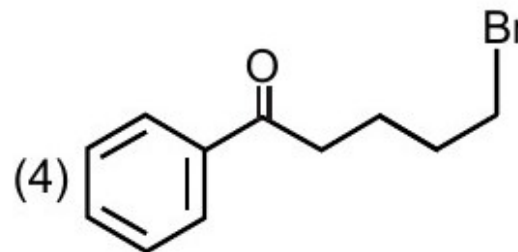
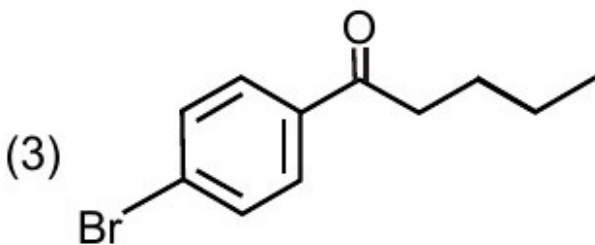
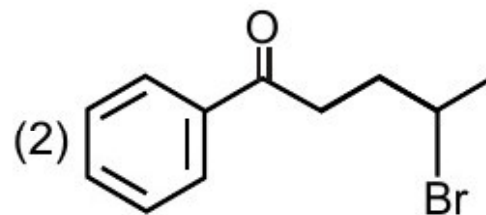
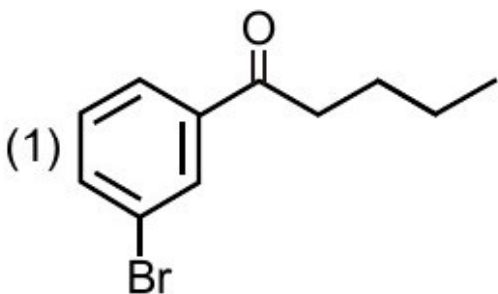
P major(54%), meta minor(44%), ortho least 2% approx

Aromatic Compounds

By
Sinha Sir, Kota

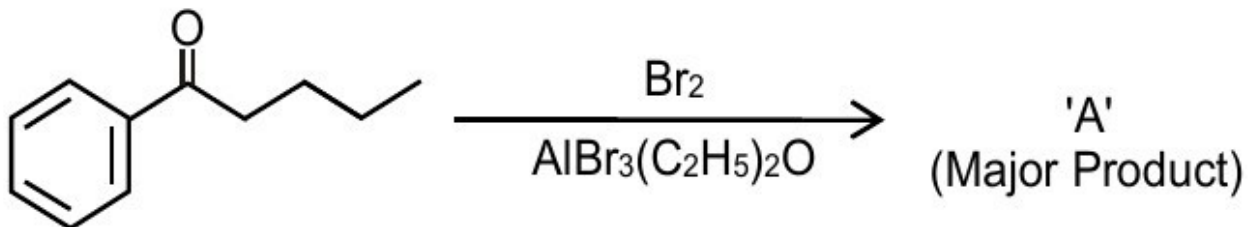


Consider the given reaction the product A is:

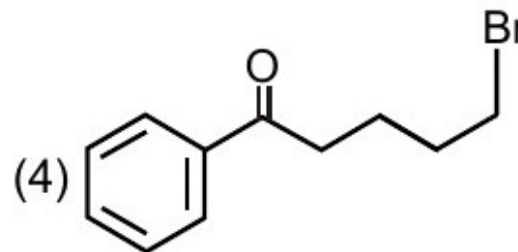
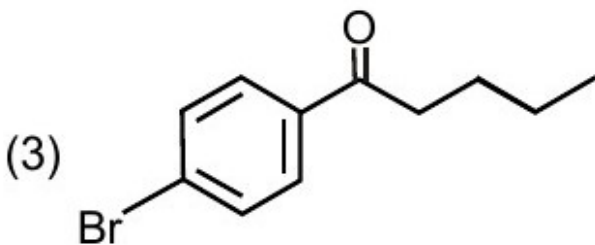
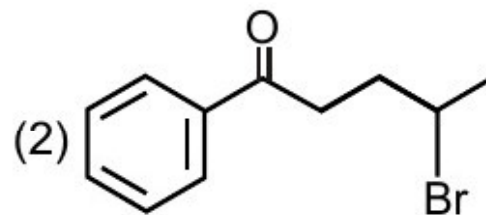
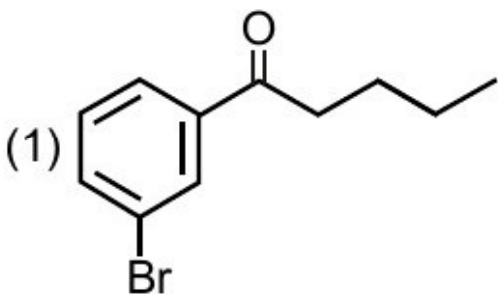


Aromatic Compounds

By
Sinha Sir, Kota



Consider the given reaction the product A is:

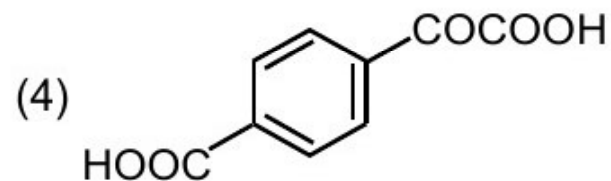
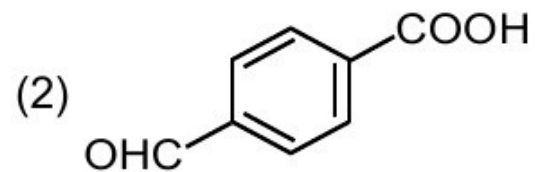
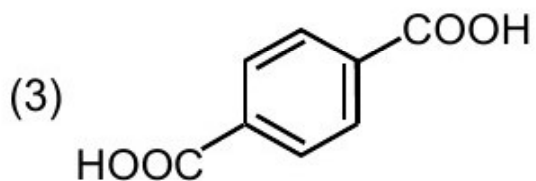
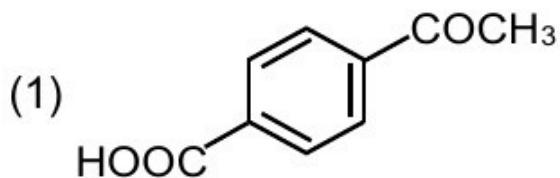
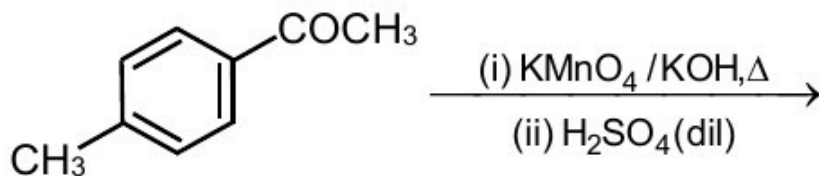


Ans = 1

Aromatic Compounds

By
Sinha Sir, Kota

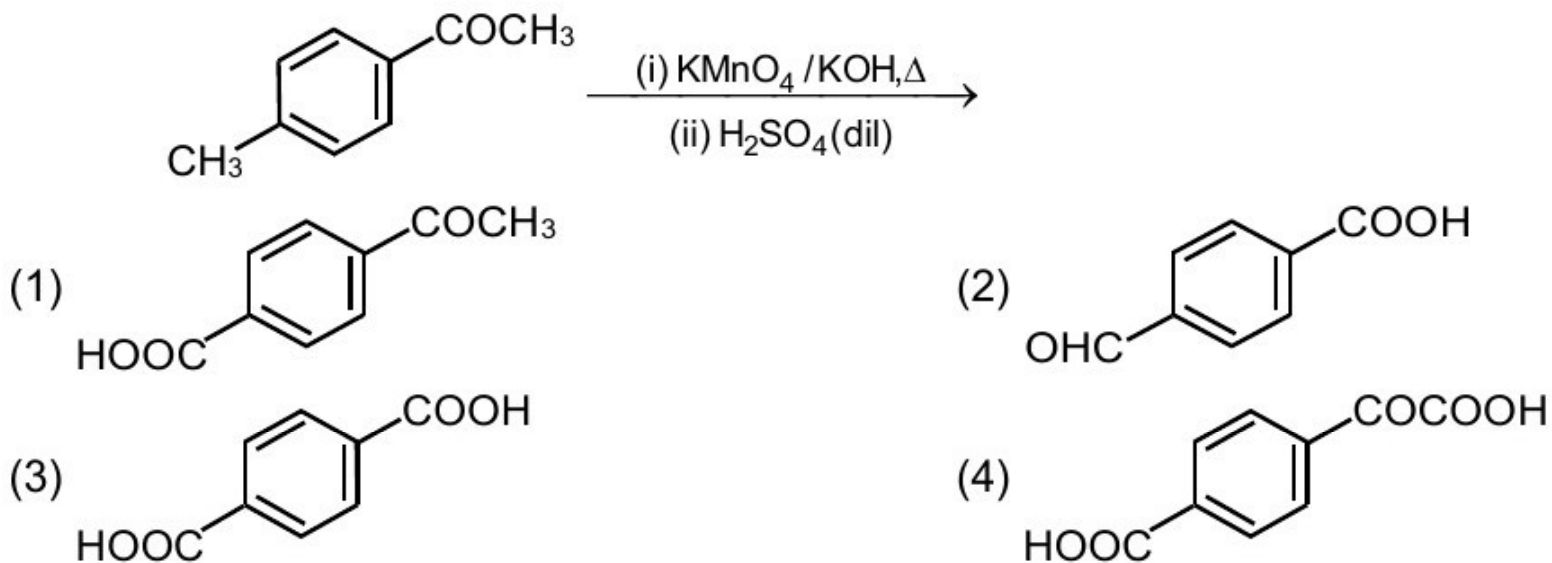
The major product of the following reaction is:



Aromatic Compounds

By
Sinha Sir, Kota

The major product of the following reaction is:



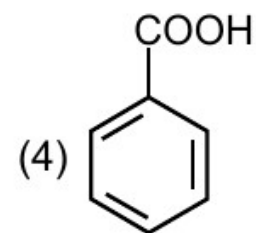
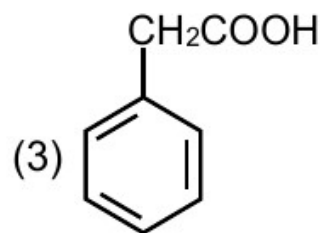
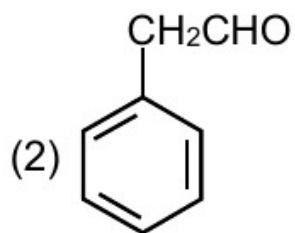
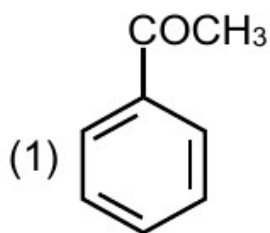
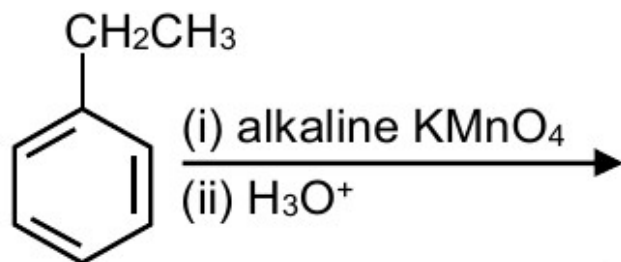
Ans = 3

At benzylic position, Ketone is also oxidised.

Aromatic Compounds

By
Sinha Sir, Kota

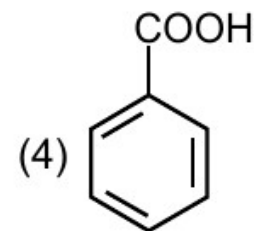
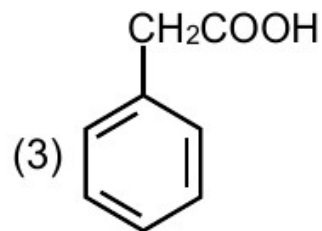
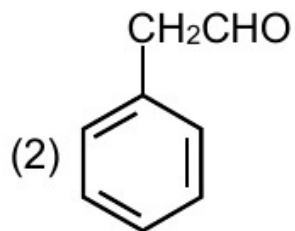
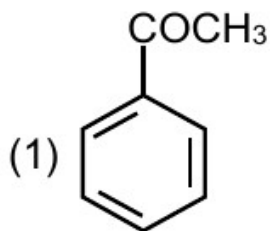
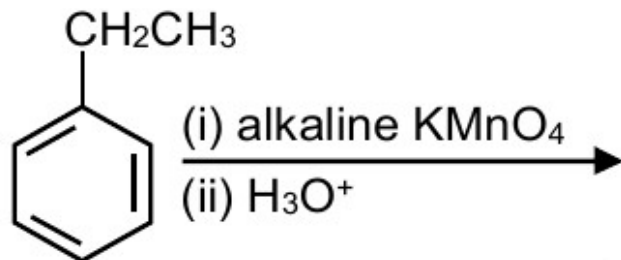
The major product of the following reaction is :



Aromatic Compounds

By
Sinha Sir, Kota

The major product of the following reaction is :



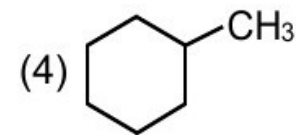
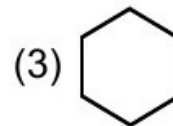
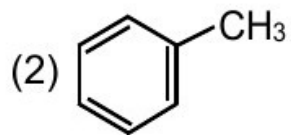
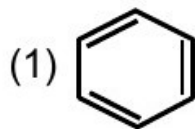
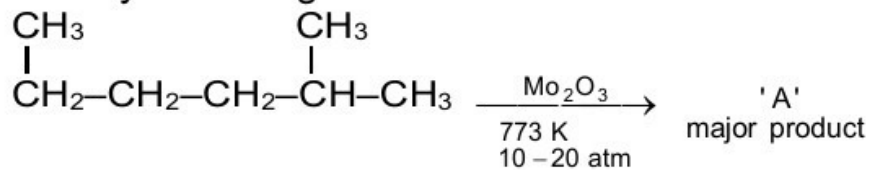
Ans = 4

At benzylic position oxidation takes place

Aromatic Compounds

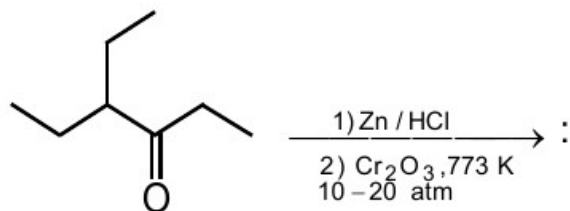
By
Sinha Sir, Kota

Identify A in the given chemical reaction :

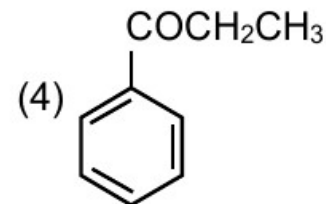
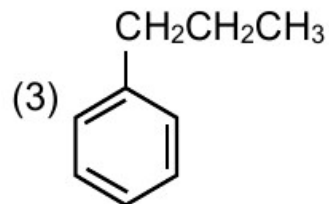
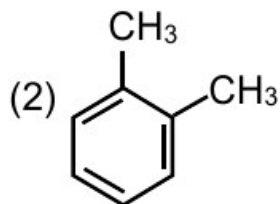
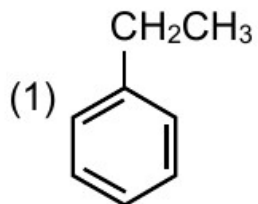


Aromatic Compounds

By
Sinha Sir, Kota

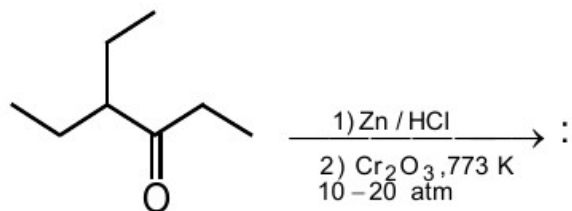


Considering the above reaction, the major product among the following is :

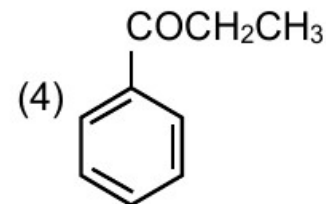
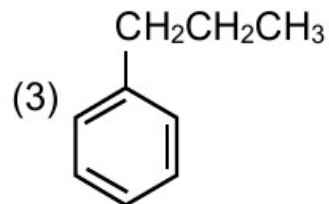
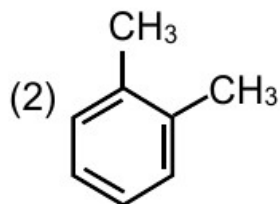
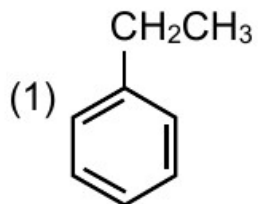


Aromatic Compounds

By
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Considering the above reaction, the major product among the following is :



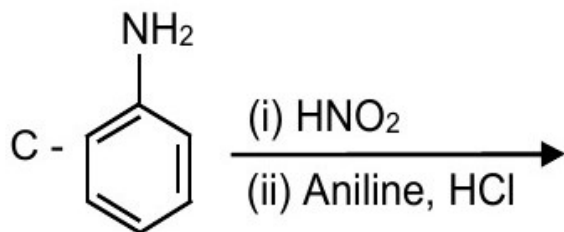
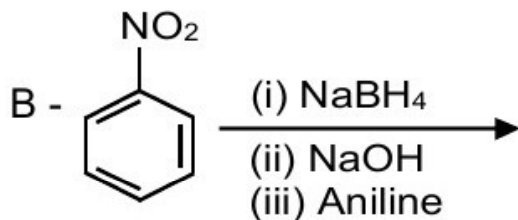
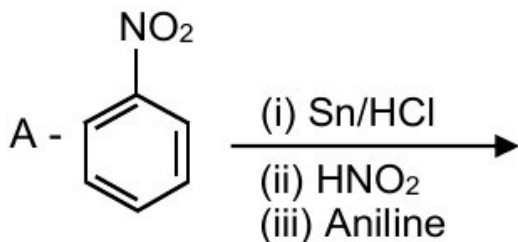
Ans = 2

Reduction followed by aromatization

Aromatic Compounds

By
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In which of the following reaction/s will not give p-aminoazobenzene ?



(1) A only

(2) B only

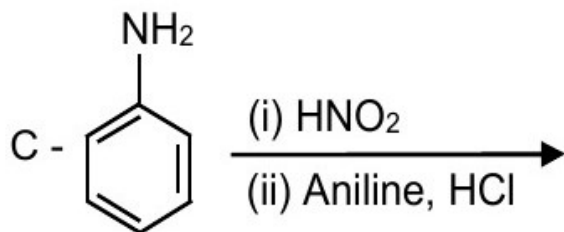
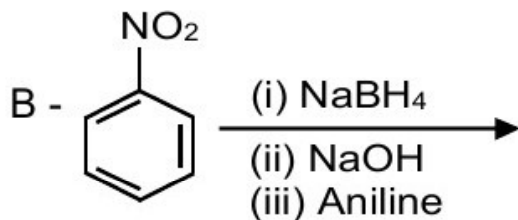
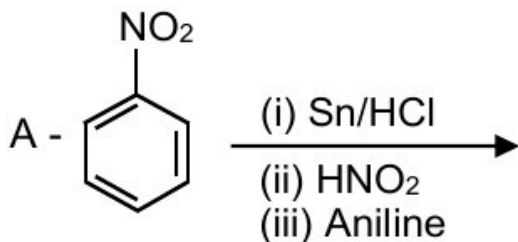
(3) C only

(4) A and B

Aromatic Compounds

By
Sinha Sir, Kota

In which of the following reaction/s will not give p-aminoazobenzene ?



(1) A only

(2) B only

(3) C only

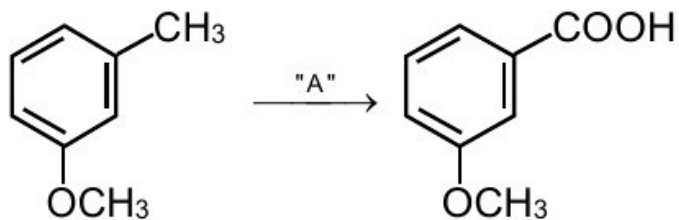
(4) A and B

Ans = 4

Aniline in acidic medium form Azo dye.

Aromatic Compounds

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In the above reaction, the reagent "A" is

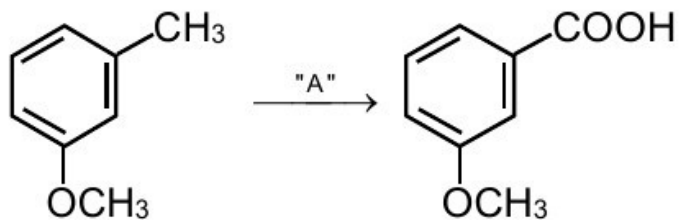
(1) LiAlH₄

(2) HCl, Zn-Hg

(3) Alkaline KMnO₄, H⁺ (4) NaBH₄, H₃O⁺

Aromatic Compounds

By
Sinha Sir, Kota



In the above reaction, the reagent "A" is

(1) LiAlH_4

(2) HCl , Zn-Hg

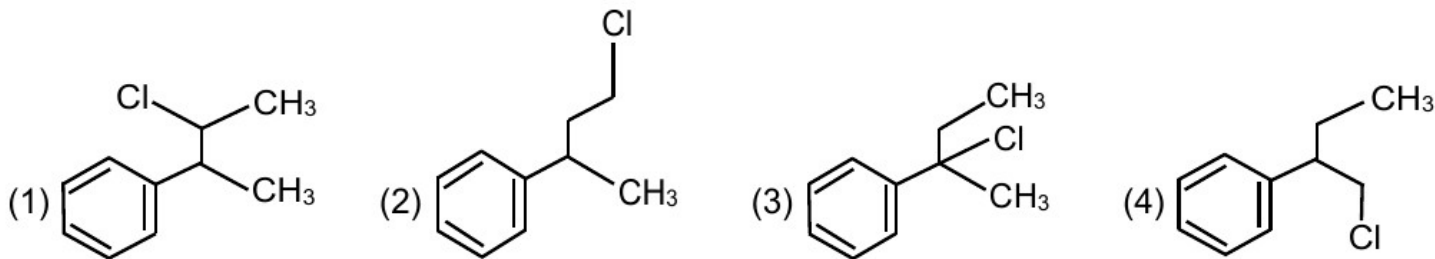
(3) Alkaline KMnO_4 , H^+ (4) NaBH_4 , H_3O^+

Ans = 3

Aromatic Compounds

By
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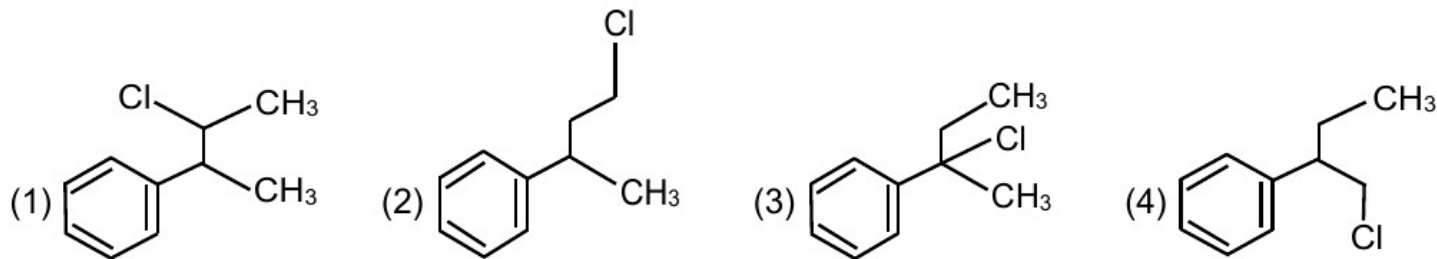
Reaction of Grignard reagent, C_2H_5MgBr with C_8H_8O followed by hydrolysis gives compound "A" which reacts instantly with Lucas reagent to give compound B, $C_{10}H_{13}Cl$.
The compound B is"



Aromatic Compounds

By
Sinha Sir, Kota

Reaction of Grignard reagent, C_2H_5MgBr with C_8H_8O followed by hydrolysis gives compound "A" which reacts instantly with Lucas reagent to give compound B, $C_{10}H_{13}Cl$.
The compound B is"



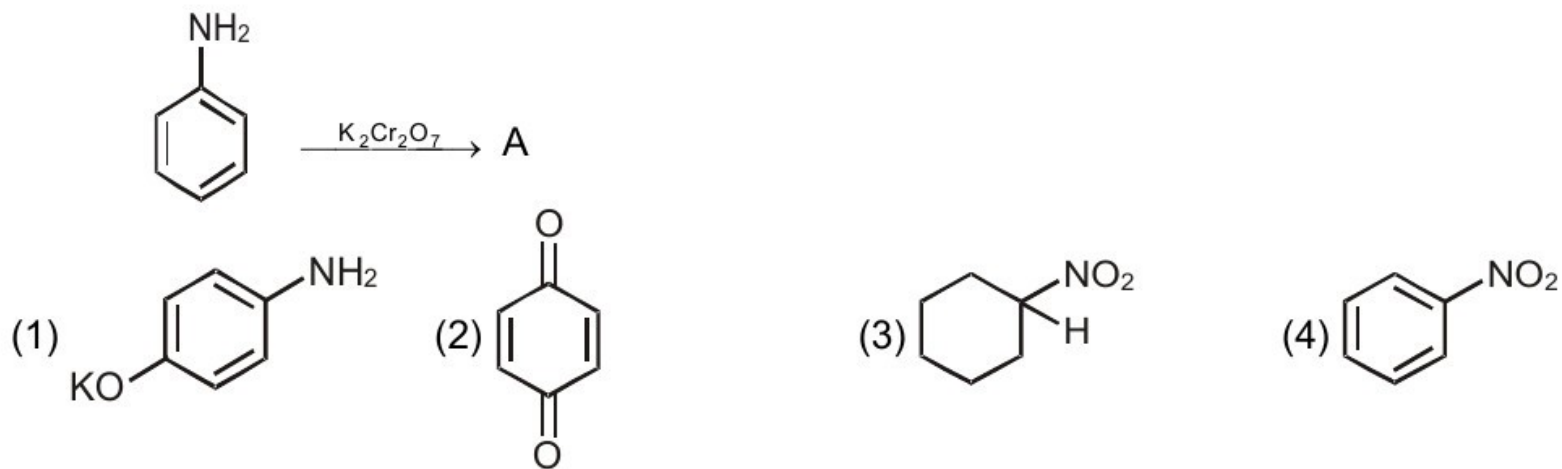
Ans = 3

3 degree alcohol at benzylic position

Aromatic Compounds

By
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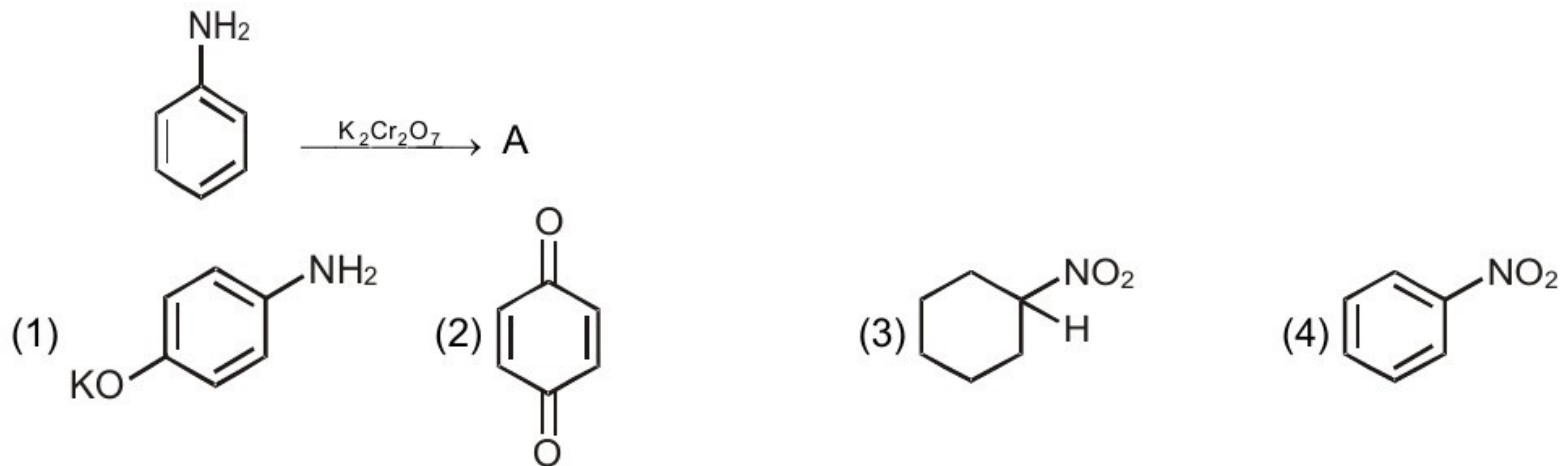
Identify A in the following reaction.



Aromatic Compounds

By
Sinha Sir, Kota

Identify A in the following reaction.



Ans = 2

Oxidation of aniline with acidified potassium dichromate gives **p-benzoquinone**.