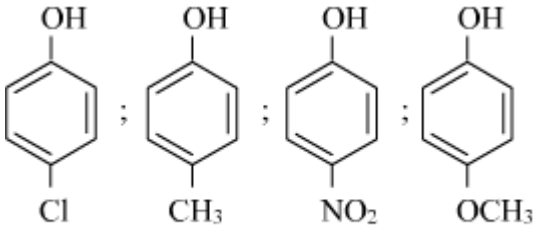
Amines

Q.No.1:
Arrange the following compounds in order of decreasing acidity :

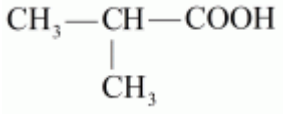


JEE 2013

A. II > IV > I > III
B. I > II > III > IV
C. III > I > IV > II
D. IV > III > I > II

Q.No.2:
An organic compound A upon reacting with NH_3 gives B. On heating, B gives C. C in presence of KOH reacts with Br_2 to give $CH_3CH_2NH_2$. A is :

JEE 2013

A. CH_3COOH
B. $CH_3CH_2CH_2COOH$
C. 
D. CH_3CH_2COOH

Q.No.3: In the Hofmann bromamide degradation reaction, the number of moles of NaOH and Br_2 used per mole of amine produced are: **JEE 2016**

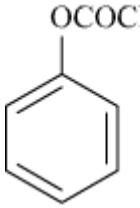
A. Four moles of NaOH and two moles of Br_2
B. Two moles of NaOH and two moles of Br_2

C. Four moles of NaOH and one mole of Br_2

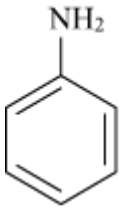
D. One mole of NaOH and one mole of Br_2

Q.No.4: Which of the following compounds will form significant amount of *meta* product during mono-nitration reaction ? **JEE 2017**

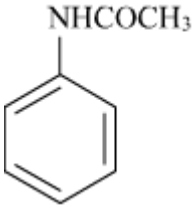
A.



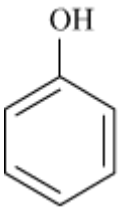
B.



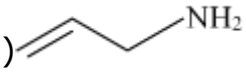
C.

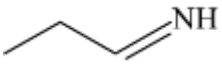


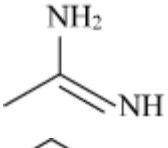
D.

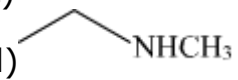


Q.No.5: The increasing order of basicity of the following compounds is :

(a) 

(b) 

(c) 

(d) 

JEE 2018

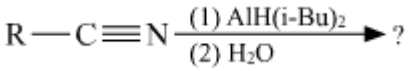
A. (b) < (a) < (d) < (c)

B. (d) < (b) < (a) < (c)

C. (a) < (b) < (c) < (d)

D. (b) < (a) < (c) < (d)

Q.No.6: The major product of following reaction is:



JEE 2019

A. RCOOH

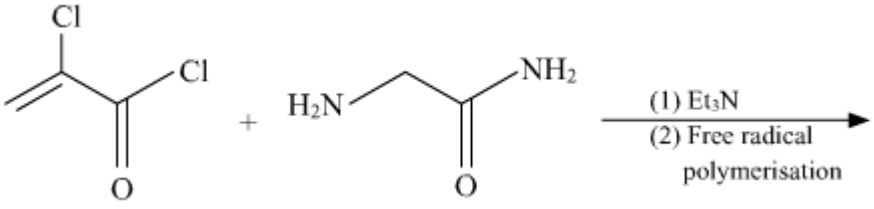
B. $RCONH_2$

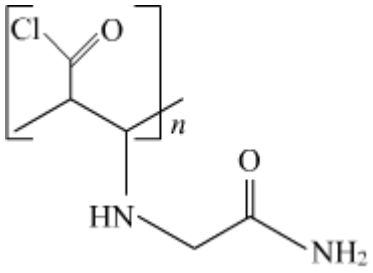
C. RCHO

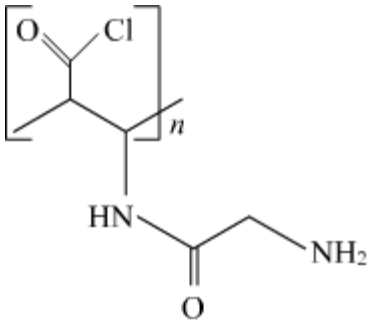
D. RCH_2NH_2

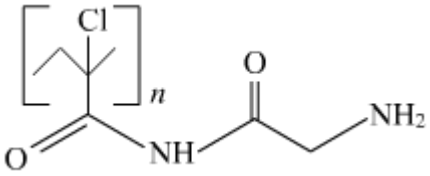
Q.No.7: Major product of the following reaction is:

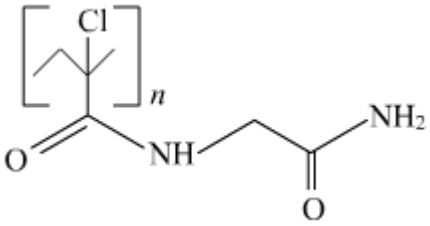
JEE 2019



A. 

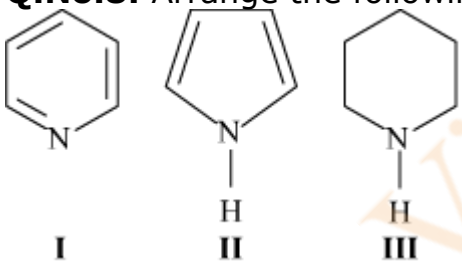
B. 

C. 

D. 

Q.No.8: Arrange the following amines in the decreasing order of basicity:

JEE 2019



I **II** **III**

A. I > II > III

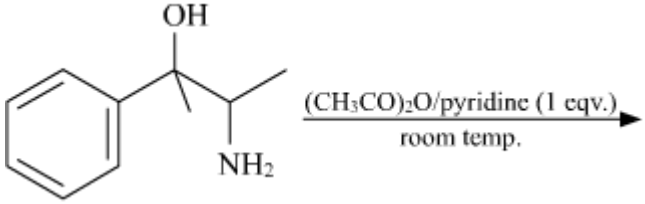
B. III > I > II

C. III > II > I

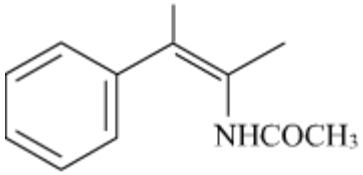
D. I > III > II

Q.No.9: The major product obtained in the following reaction is:

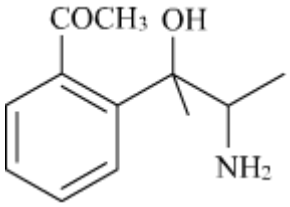
JEE 2019



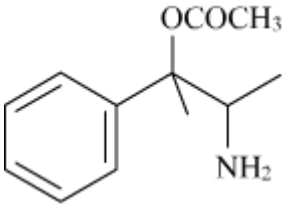
A.



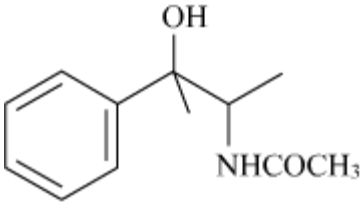
B.



C.



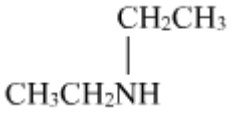
D.



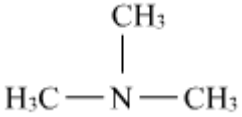
Q.No.10: The increasing basicity order of the following compounds is:

(A) $CH_3CH_2NH_2$

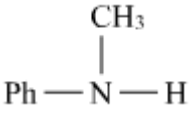
(B)



(C)



(D)



JEE 2019

A. (D) < (C) < (B) < (A)

B. (D) < (C) < (A) < (B)

C. (A) < (B) < (C) < (D)

D. (A) < (B) < (D) < (C)