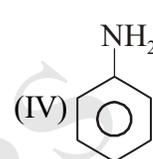
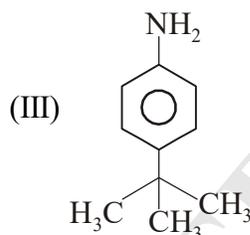
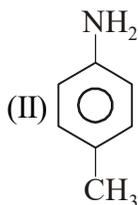
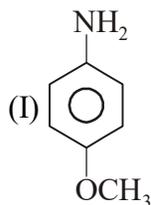
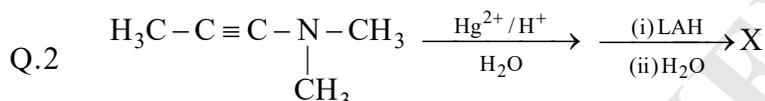


Single Correct

Q.1 What will be reactivity order for isocyanide test for following amines?

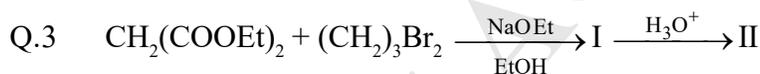


- (A) I > III > II > IV (B) I > IV > II > III (C) I > II > III > IV (D) II > III > IV > I

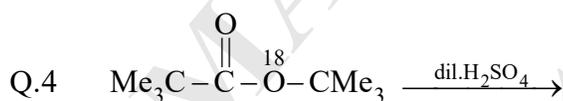
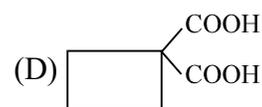
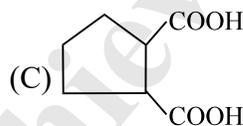
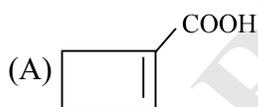


Which statement is incorrect for X.

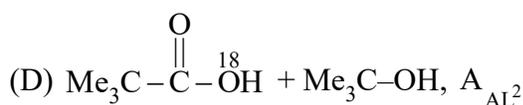
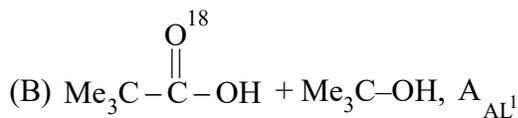
- (A) X does not react with Na metal
 (B) X react with Heinsberg's reagent to form a product which is insoluble in KOH
 (C) X does not evolve N_2 on reaction with HNO_2
 (D) X is soluble in H_2SO_4



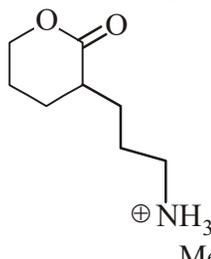
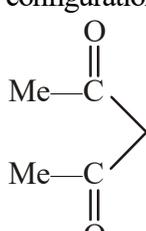
II is :



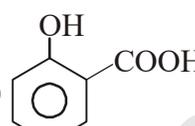
Product of this reaction and the mechanism is:



Q.9 Which of the following is false :

- (A)  $\xrightarrow{\text{NaOH}}$ Product of this reaction is a lactum.
- (B) $\text{CH}_2=\text{CH}-\underset{\text{H}}{\overset{\text{Me}}{\text{C}}}-\text{OH} \xrightarrow{\text{SOCl}_2}$ Major product of this reaction is chiral and having R configuration.
- (C)  gives two molecules of iodoform per molecule when treated with NaOH + I₂.
- (D) isopropanol gives yellow precipitate with I₂ in NH₄OH.

Q.10 Which will elimination CO₂ only on heating

- (A) $\text{Me}-\underset{\text{O}}{\underset{\parallel}{\text{C}}}-\text{CH}_2-\text{COOH}$ (B) $\text{Ph}-\underset{\text{O}}{\underset{\parallel}{\text{C}}}-\text{CH}_2-\text{SO}_2\text{H}$
- (C)  (D) $\text{CH}_2=\text{CH}-\text{CH}_2-\text{COOH}$

Q.11 Methanoic acid and Ethanoic acid can be differentiated by:

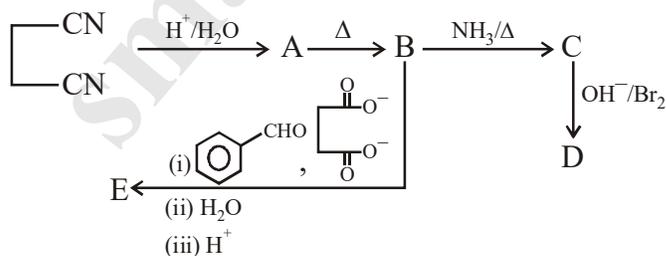
- (A) Fehling test (B) Iodoform test (C) Schiff's test (D) NaHCO₃ test

Q.12 Method to distinguished RNH₂ & R₂NH

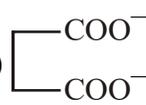
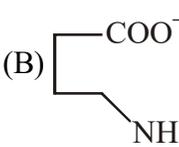
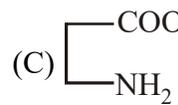
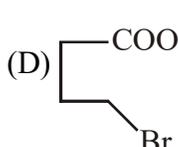
- (A) NaNO₂ / HCl (B) Hoffmann's mustard oil reaction
(C) Hinsberg test (D) Red Litmus

Comprehension

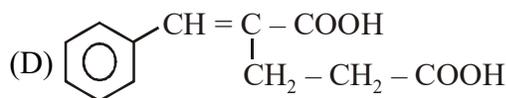
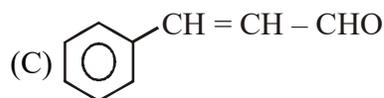
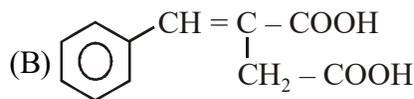
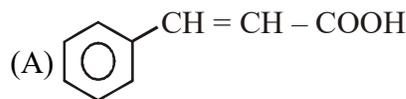
Paragraph Question No. 13 to 15



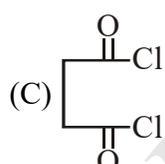
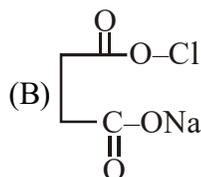
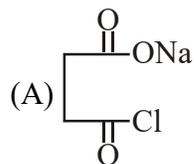
Q.13 Dis

- (A)  (B)  (C)  (D) 

Q.14 E is



Q.15 Which part will form after reaction of B with NaCl.



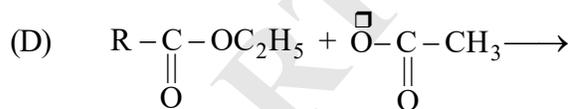
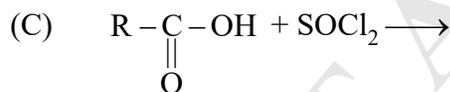
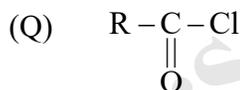
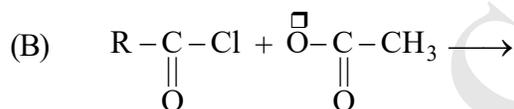
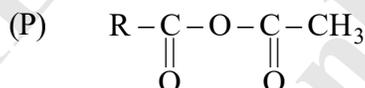
(D) No reaction

Match the column

Q.16

Column I

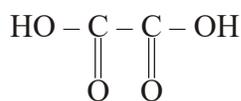
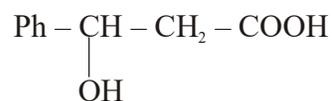
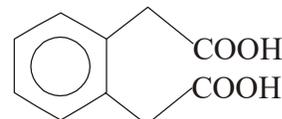
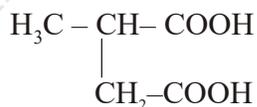
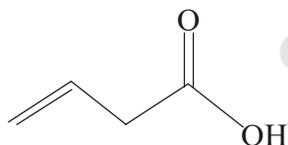
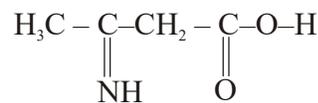
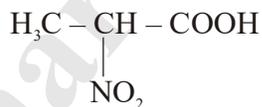
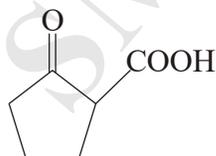
Column II (Products)



(T) No reaction

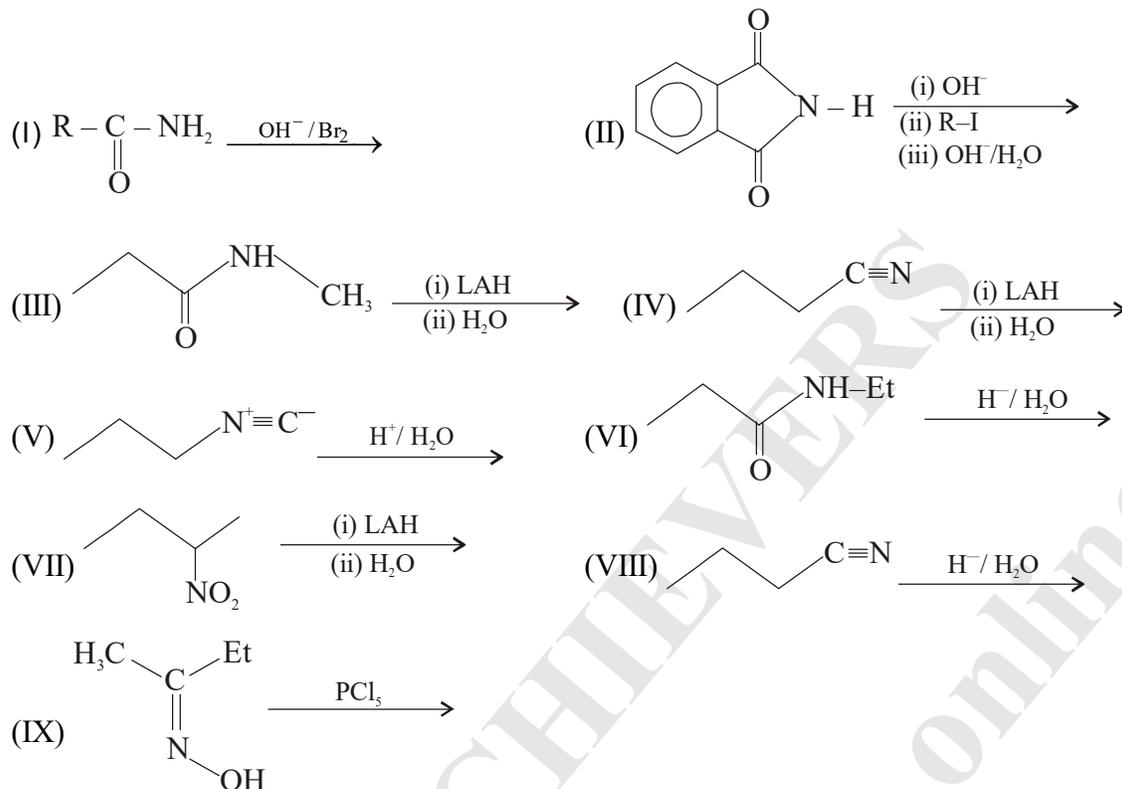
Subjective

Q.17 Number of compounds, which can evolve CO_2 on heating, are.....

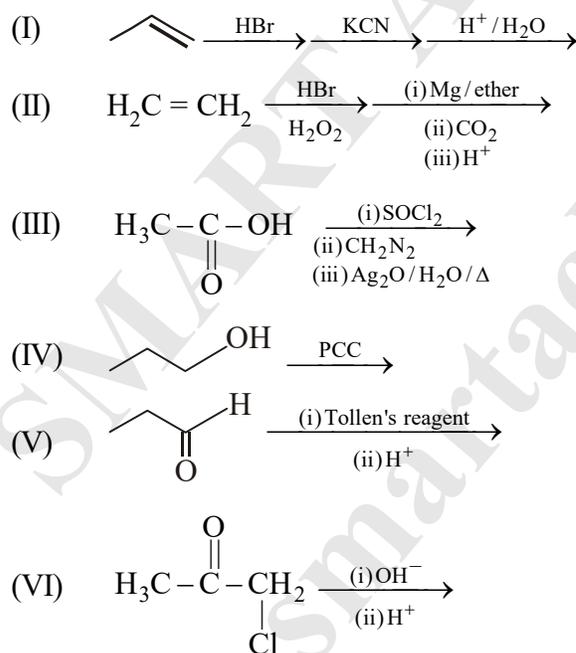


If your answer is X then fill 000X in OMR sheet.

Q.18 Number of reactions which can produce 1° amine are :

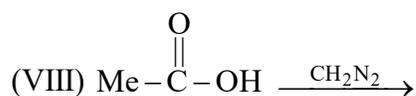
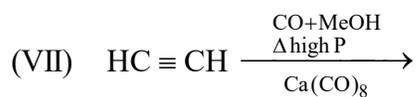
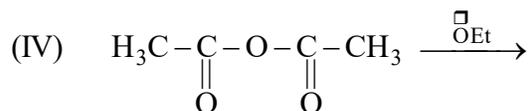
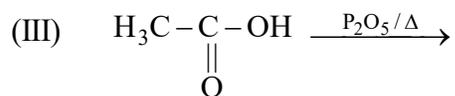
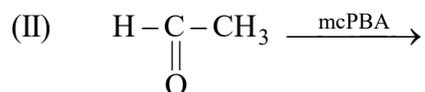
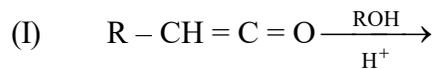


Q.19 Consider following reactions.



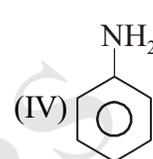
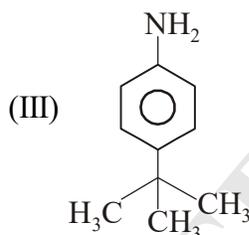
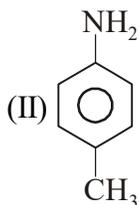
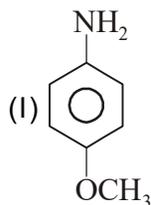
Number of reactions which can produce propanoic acid as major product are _____.

Q.20 Number of reaction which gives ester as major product.

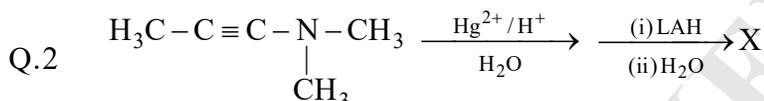


Single Correct

Q.1 What will be reactivity order for isocyanide test for following amines?

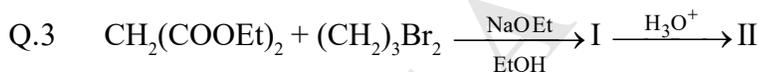


- (A) I > III > II > IV (B) I > IV > II > III (C) I > II > III > IV (D) II > III > IV > I

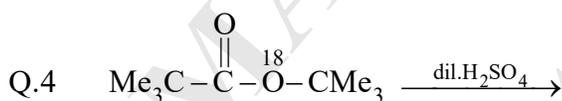
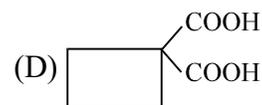
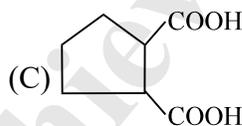
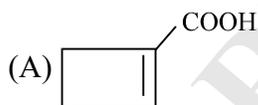


Which statement is incorrect for X.

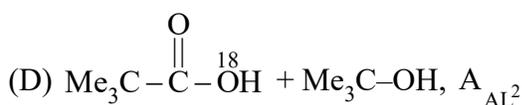
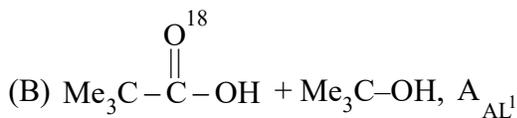
- (A) X does not react with Na metal
 (B) X react with Heinsberg's reagent to form a product which is insoluble in KOH
 (C) X does not evolve N_2 on reaction with HNO_2
 (D) X is soluble in H_2SO_4



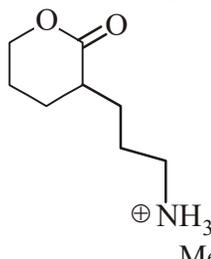
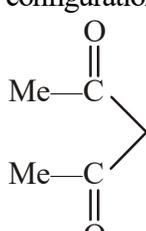
II is :



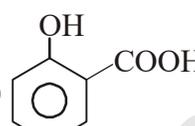
Product of this reaction and the mechanism is:



Q.9 Which of the following is false :

- (A)  $\xrightarrow{\text{NaOH}}$ Product of this reaction is a lactum.
- (B) $\text{CH}_2=\text{CH}-\underset{\text{H}}{\overset{\text{Me}}{\text{C}}}-\text{OH} \xrightarrow{\text{SOCl}_2}$ Major product of this reaction is chiral and having R configuration.
- (C)  gives two molecules of iodoform per molecule when treated with $\text{NaOH} + \text{I}_2$.
- (D) isopropanol gives yellow precipitate with I_2 in NH_4OH .

Q.10 Which will elimination CO_2 only on heating

- (A) $\text{Me}-\underset{\text{O}}{\underset{\parallel}{\text{C}}}-\text{CH}_2-\text{COOH}$ (B) $\text{Ph}-\underset{\text{O}}{\underset{\parallel}{\text{C}}}-\text{CH}_2-\text{SO}_2\text{H}$
- (C)  (D) $\text{CH}_2=\text{CH}-\text{CH}_2-\text{COOH}$

Q.11 Methanoic acid and Ethanoic acid can be differentiated by:

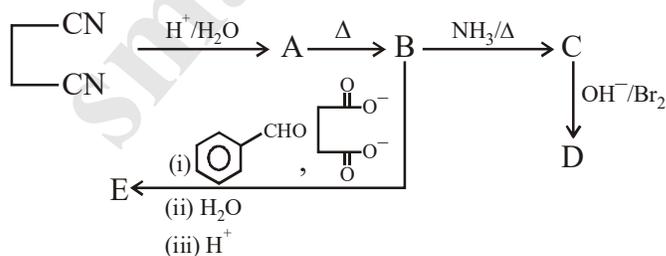
- (A) Fehling test (B) Iodoform test (C) Schiff's test (D) NaHCO_3 test

Q.12 Method to distinguished RNH_2 & R_2NH

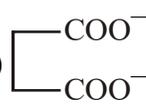
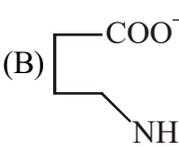
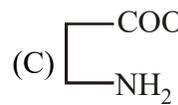
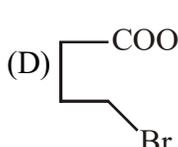
- (A) $\text{NaNO}_2 / \text{HCl}$ (B) Hoffmann's mustard oil reaction
(C) Hinsberg test (D) Red Litmus

Comprehension

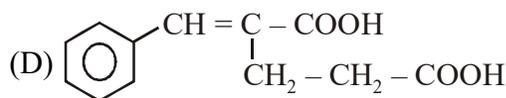
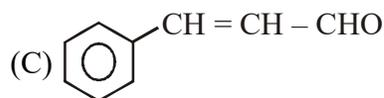
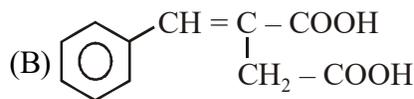
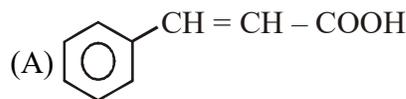
Paragraph Question No. 13 to 15



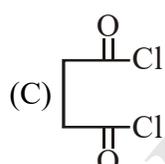
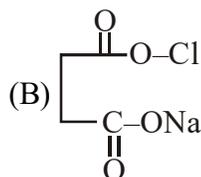
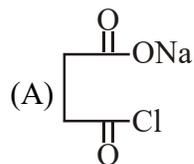
Q.13 Dis

- (A)  (B)  (C)  (D) 

Q.14 E is



Q.15 Which part will form after reaction of B with NaCl.



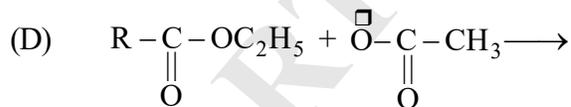
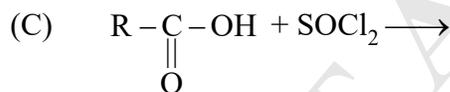
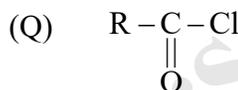
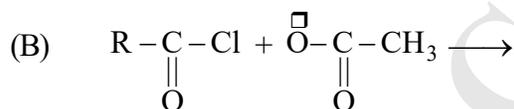
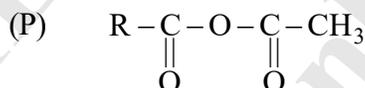
(D) No reaction

Match the column

Q.16

Column I

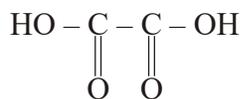
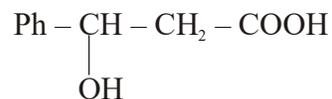
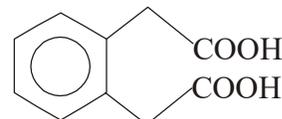
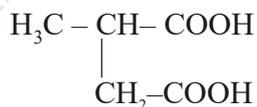
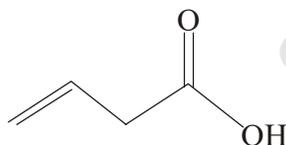
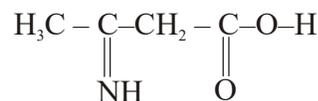
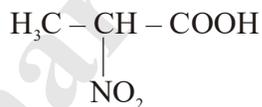
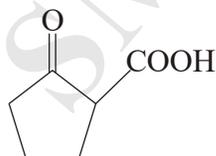
Column II (Products)



(T) No reaction

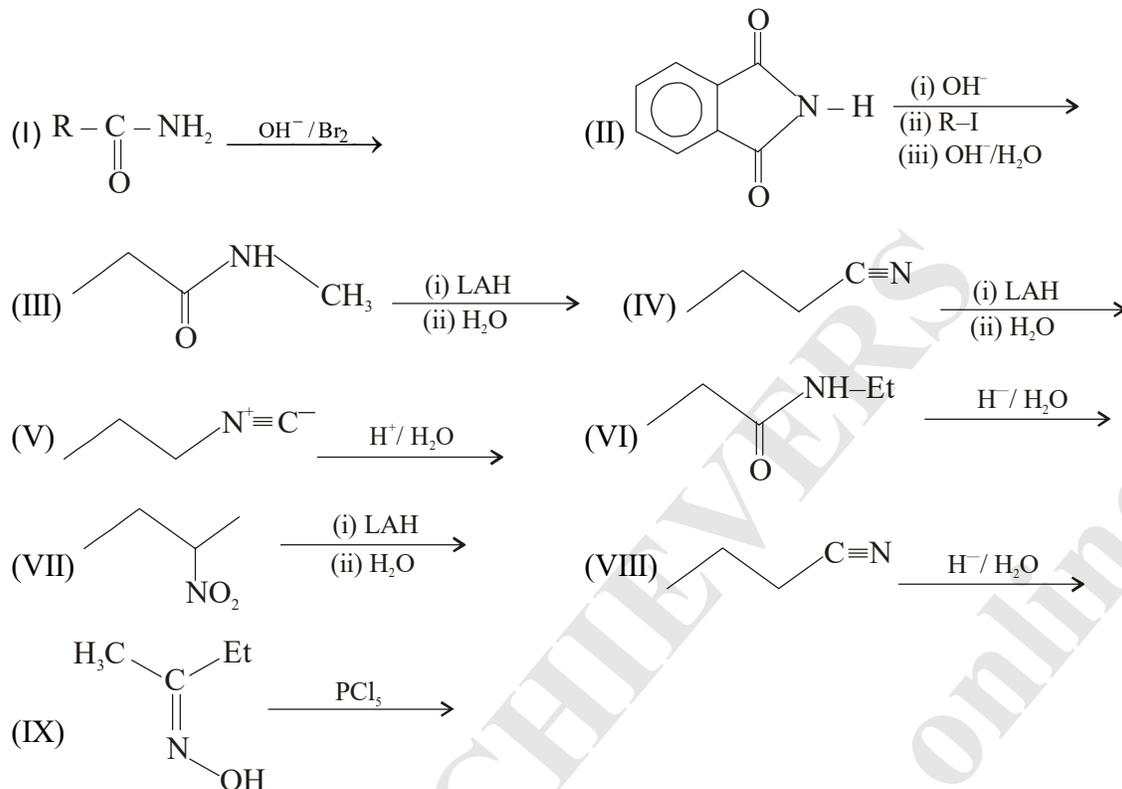
Subjective

Q.17 Number of compounds, which can evolve CO_2 on heating, are.....

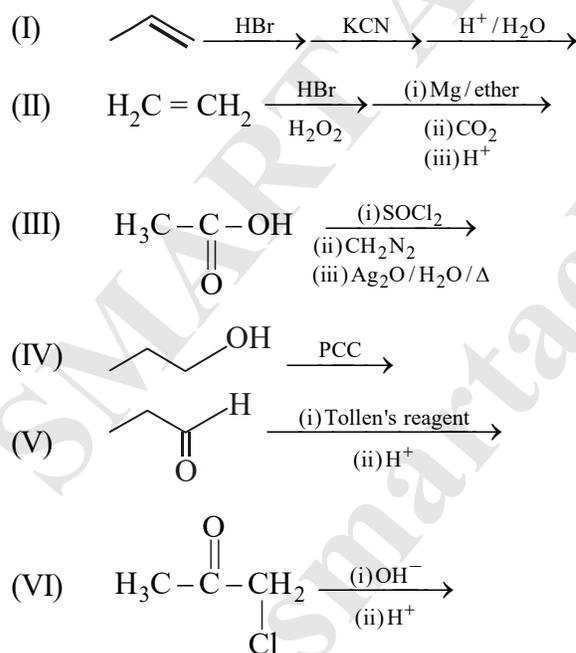


If your answer is X then fill 000X in OMR sheet.

Q.18 Number of reactions which can produce 1° amine are :



Q.19 Consider following reactions.



Number of reactions which can produce propanoic acid as major product are _____.

Q.20 Number of reaction which gives ester as major product.

