



SHIKSHA CLASSES

Subject : Chemistry

BOARD QUESTION PAPER

Total Marks : 20

Class : XII

Topic: 13. Amines

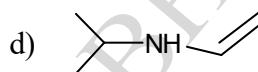
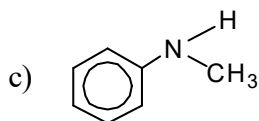
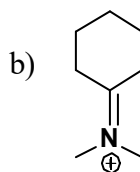
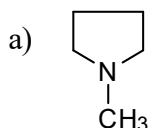
Time : 1 Hr.

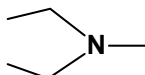
Section (A)

Q.1. : Select and write the most appropriate answer from given alternatives in each sub-question.

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i) Which of the following is tertiary amine?



ii) IUPAC Name of : 

a) N-Ethyl-N-methyl ethanamine

b) N-ethyl-N-methyl

c) N, N-di-ethyl methanamine

d) N-methyl-N-ethyl methanamine

iii) When phthalimide is heated with alkyl halide using (aq.) sodium hydroxide it gives.

a) Tertiary amine

b) Secondary amine

c) Primary amine

d) None of these

iv) When N-methylamine is reacted with nitrous acid followed by diazotized mixture it gives

a) N-nitroso compound

b) Primary amine

c) Secondary amine

d) Tertiary amine

v) Alkyl cyanide on Reduction produces.

a) 1^o amine

b) 2^o amine

c) 3^o amine

d) None of these

Q.2 : Very short answer type Question.

2

i) What is acylation product of Aniline in Basic condition?

ii) What is the reducing product of nitrobenzene?

Section (B)

: **Answer the following questions. (Any Three)**

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Q.3 : What are 'Nitro alkane'? Explain with an example.

Q.4 : What are Amine? Give its classifications.

Q.5 : Give the methods of preparation of Aniline from benzene.

Q.6 : How will you obtained m-dinitro benzene from benzene?

Section (C)

: **Answer the following question. (Any One)**

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Q.7 : What are Sandmeyer reaction? Give its application.

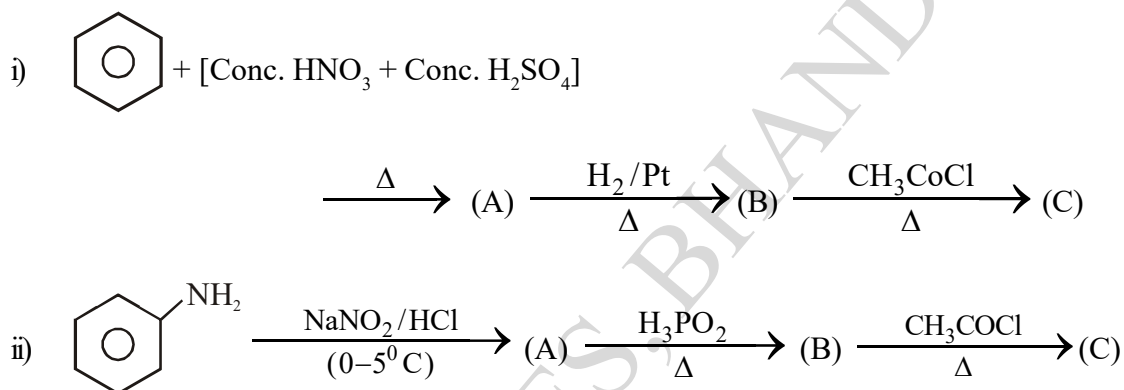
Q.8 : Give the Synthetic methods of 4-bromo aniline from aniline.

Section (D)

: **Answer the following question. (Any One)**

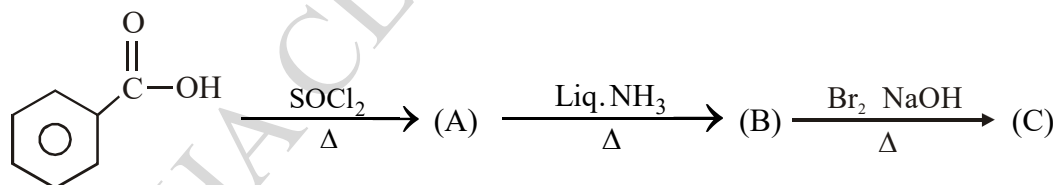
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Q.9 : Complete the reaction



Q.10 : i) What happen when methyl amine is heated with chloroform in presence of potassium hydroxide?

ii) Complete the given reaction.



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