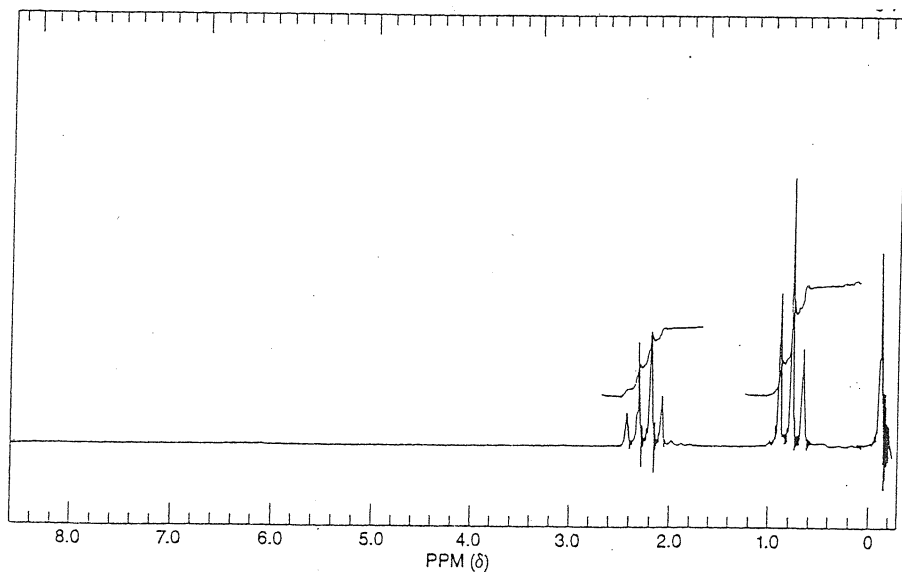


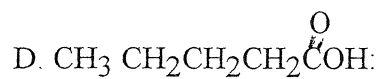
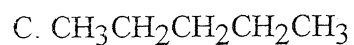
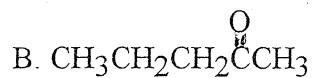
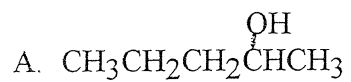
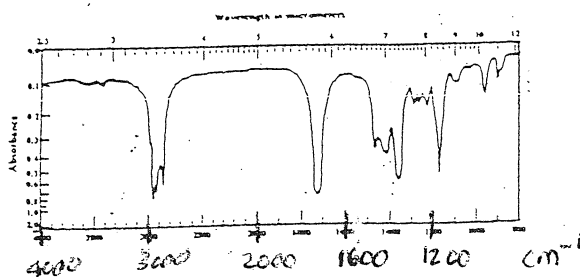
10.

Propose a structure for $C_6H_{15}N$ using the NMR spectrum shown. Indicate which hydrogens produce which signal in the NMR spectrum.



Multiple Choice : write your response on the line to the left of the question.

_____ 1. The infrared spectrum of an unknown compound is reproduced below. What is the structure of the compound?



_____ 2. What is the hybridization of the nitrogen in pyridine?

A. s

B. sp

C. sp²

D. sp³

