



UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, July 2020

Course: Organic Chemistry
Programme: BSc Hons Chemistry

Semester: IV
Course Code:

Time: 24 hrs (Assignment to be uploaded on blackboard)

Max. Marks: 40.

All Questions are Compulsory
Answer each question in not more than 500 words

S. No.		Marks	CO
1	a. Show that pyrrole possesses properties common to both phenols and aromatic amines.	[20]	CO1+CO3
Ans.			
2	a. Draw the resonating structures of quinoline and explain the possible sites of nucleophilic attack in it.	[20]	CO1+CO2
Ans.			
3	a. Convert acetylene to pyridine.	[20]	CO3+CO4
Ans.			
4	a. How will you differentiate between the primary, secondary and tertiary nitroalkanes? Explain with the help of a chemical test.	[20]	CO1+CO4
Ans.			
5	a. Explain Emde degradation, and Hoffman Exhaustive methylation with a suitable mechanism	[20]	CO4
Ans.			

