

SHIVAJI COLLEGE, UNIVERSITY OF DELHI
DEPARTMENT OF _____ CHEMISTRY _____
INTERNAL TEST (Academic Year 2023-24)

Name of the Course : BSc Programme with Physical Science

Semester : IV

Name of the Paper : Chemistry of carboxylic acid & their derivative Amines and Heterocycles

Faculty Name: Dr. Priti Kumari

Duration : 1 h

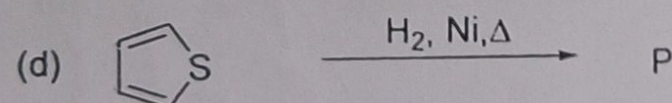
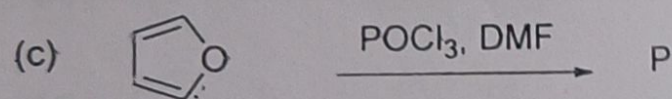
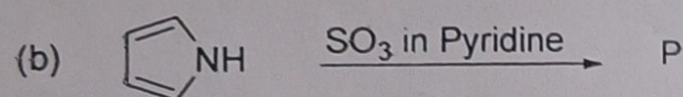
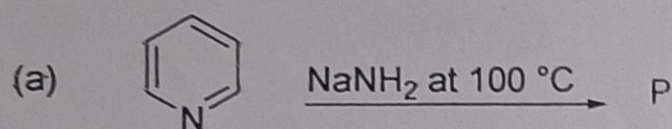
Maximum Marks: 8

Date of Test : 22-04-2024

Q.1 Explain one method for the synthesis of Pyridine with mechanism. (2)

Q. 2 write the product:

(0.5 x 4)



Q.3 (a) Explain why Pyridine is more basic than pyrrole? (1 x 4)

(b) Among all the three type of amine which is more basic?

(c) Explain one method to distinguish all the three type of Amine.

(d) Explain the electrophilic substitution reaction on thiophene with resonating structure.

Faculty Signature:

Priti Kumari