

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

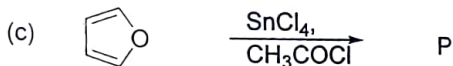
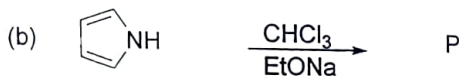
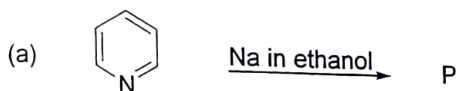
Duration : 1 h

Maximum Marks: 8

Date of Test : 29-04-2024

Q.1 Explain one method for the synthesis of Thiophene. (2)

Q. 2 write the product: (0.5 x 4)



Q.3 (a) Among Pyridine and methylamine which is more basic, explain it. (1 x 4)

(b) What is carbylamine test and for what we use in laboratory.

(c) If Aniline is treated with NaNO_2 and HCl at ice bath what will be product. ?

(d) Explain the nucleophilic substitution reaction on Pyridine with resonating structure.

Faculty Signature:

Priti Kumari