

2021
B.A./B.Sc. Semester II Honours Examination
University of Calcutta
CHEMISTRY
Paper CC3
PRACTICAL
F.M. 30

FAKIR CHAND COLLEGE CENTRE (551)

[Use A4 pages and black ink only for writing answers. Write Roll number and Registration number at the top and page number at the bottom of each page. Scan the current admit card and upload in a single pdf file along with the answer script]

1. Write a suitable procedure of 'side chain oxidation of benzyl chloride' with chemical reaction.

10

2. Answer all the questions:

2x10=20

- a) What is condensation reaction?
- b) Give one example of condensation reaction.
- c) What is diazocoupling reaction?
- d) Give one example of diazocoupling reaction.
- e) Write the mechanism of alkali hydrolysis of benzamide.
- f) Write the mechanism of acetylation of aniline.
- g) What is brine solution?
- h) Explain the use of the *brine* solution in benzylation of amines.
- i) Identify A and B for the following reaction.



j) Identify A, B and C for the following transformations:

