2021

B.A./B.Sc. Semester IV General Examination University of Calcutta CHEMISTRY Paper GE4/CC4 PRACTICAL F.M. 30

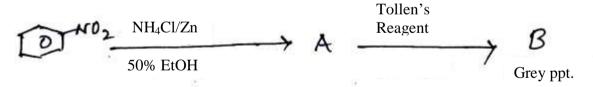
FAKIR CHAND COLLEGE CENTRE (551)

[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]

Answer ANY SIX (all questions carry equal marks):

6x5 = 30

- 1.(a) Write down how Lassaign extract is prepared.
 - (b) Give the structural formula of sodium nitroprusside. Which special element can be detected by using this compound?
- 2.(a) What is Brady's reagent? For detection of which functional group is this reagent used?
 - (b) How phenol and benzoic acid can be separately detected from their solubility data?
- 3(a) What happens when phenol is reacted with neutral ferric chloride solution? Give reaction.
- (b) Describe Mulliken-Barker reaction used during qualitative organic analysis in your laboratory.
- 4.(a) Complete the reaction: Benzoic Acid + Saturated Sodium Bicarbonate solution → ?
 - (b) Identify [A] & [B]:



- 5.(a) What do you mean by diazocoupling reaction?
 - (b) Give an example of a diazocoupling reaction with all chemical formulae.
- 6.(a) How can you distinguish between acetone and acetaldehyde?
 - (b) Write an example of an aldol condensation reaction.

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