

2018

2nd Semester

CHEMISTRY

(Honours)

PAPER—C4P

(Practical)

Full Marks : 20

Time : 2 Hours

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Illustrate the answers wherever necessary.

Answer all question.

1. Prepare an organic compound by the following procedure :
 - (i) Report the yield of the crude product.
 - (ii) Submit the crystallized product.
 - (iii) Note the melting point of the crystallized product.

15
2. Laboratory Note Book.

2
3. Viva-voce.

3

Procedure for organic preparation

A mixture of acetanilide (2.7 gm), potassium bromate (3.3 gm) and potassium bromide (2.4 gm) is placed in a conical flask fitted with a cork. 20 ml of water is added and the mixture is gently stirred on a magnetic stirrer or with a glass rod. An aqueous solution of tartaric acid (3 gm in 20 ml water) is added in small portions over a period of 15 minutes. The reaction mixture acquires a distinct yellow colour. Then the reaction mixture is stirred for another 15 minutes and the crude product is filtered. The crude product is crystallized from aqueous ethanol and dried.
