

Ramananda College: Bishnupur: Bankura

B. Sc. 4th Semester (Honours) Practical Examination-2021

Subject: Chemistry Practical Examination

Course Code: UG/CHEM/403/C-10

Course Title: Organic Chemistry IV (P10)

Full Marks: 15

Time: 2 Hours

(Figures in the right margin indicate marks. Candidates are required to give answers in their own words as far as possible)

1. Prepare a laboratory report on Estimation of Glucose by Titration using Fehling's Solution based on the following points:
 - a) Principle, (2)
 - b) Apparatus and Reagents required, (2)
 - c) Preparation of Reagents (mentioning primary standard used), (4)
 - d) Experimental Procedure (with tabulation), (4)
 - e) Calculation (amount of glucose in g/L) writing working formula, (2)
 - f) Calculate the strength of the same glucose solution in mole/litre. (1)

Or

2. Prepare a laboratory report on Estimation of Aniline solution by Bromination (Bromate-Bromide method) based on the following points:
 - a) Principle, (2)
 - b) Apparatus and Reagents required, (2)
 - c) Preparation of Reagents (mentioning primary standard used), (4)
 - d) Experimental Procedure (with tabulation), (4)
 - e) Calculation (amount of aniline in g/L) writing working formula, (2)
 - f) Calculate the strength of the same aniline solution in mole/litre. (1)
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