

CHEMISTRY HONOURS PRACTICAL 2020

GURUDAS COLLEGE CENTRE

PAPER VIIIA (CHP-34b)

Full Marks-50

(Under 1+1+1 system)

1. Make a systematic qualitative analysis of the given organic solid compound marked “O” (Vanillin) with special reference to the following points –
 - (a) Solubility and solubility classification
 - (b) Detection of special elements by Lassaigne’s test
 - (c) Detection of functional groups –
 - (i) Nitrogenous and (ii) non-nitrogenous
2. Lab quiz (5 Questions) 25
2×5=10
3. Lab note book 15

B.Sc Part-III Chemistry Honours Practical Examination-2020
Gurudas College Centre
Paper VIIIA
Lab Quiz

Answer all questions

- Q. 1. Why is it necessary to reduce the volume of the test solution to half of the original before adding AgNO_3 solution to detect chlorine in an organic sample in presence of nitrogen?
- Q. 2. Salicylic acid is warmed with acetic anhydride and concentrated H_2SO_4 at 60°C . Name the product formed and write the reaction involved.
- Q. 3. Write down the observation and the reaction involved when a solid carboxylic acid is added to saturated solution of sodium bicarbonate.
- Q. 4. What happens when vanillin is treated with bromine water solution? Why bromination occurs at a particular position of vanillin?
- Q. 5. Write down the observation and chemical reaction involved when a diazotized solution of aniline is added to an alkaline solution of β -naphthol.