

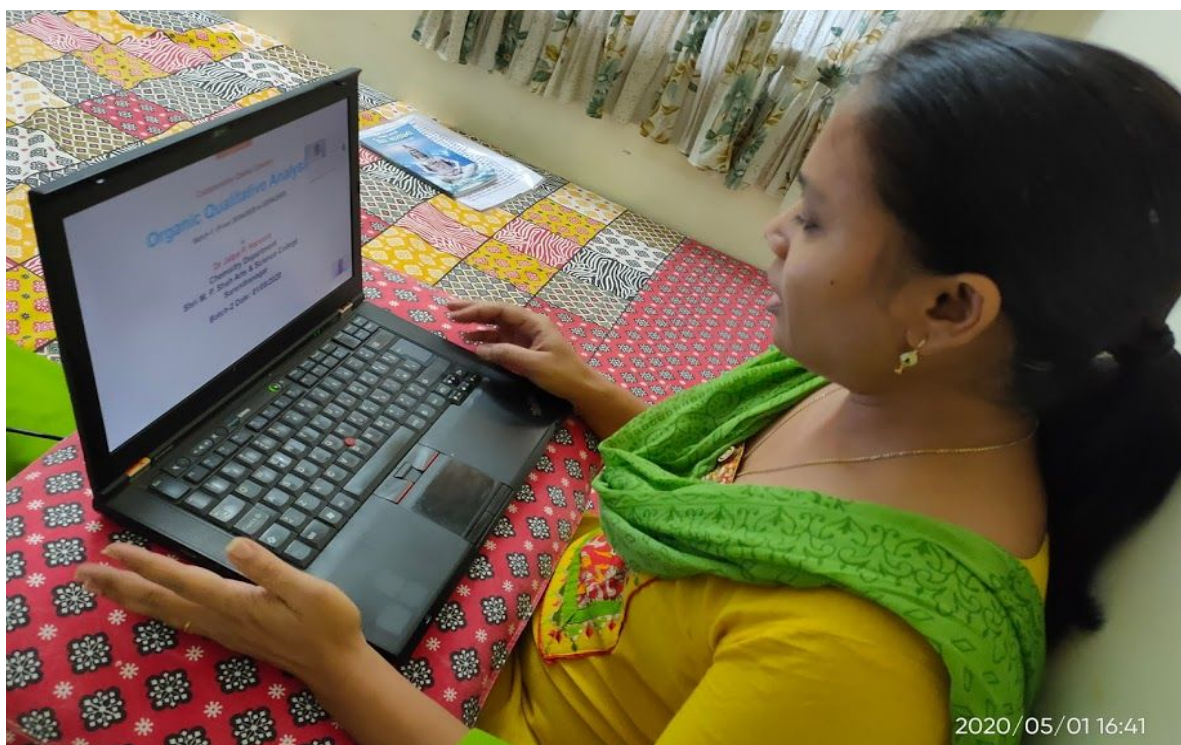
Report on Work from Home

Collaborative Online Classes (COC) : Day - 5

BATCH - 2

DAY - 2


આજ તા. 01/05/2020 ના રોજ B.Sc. Sem 4 (S.Y.B.Sc.) ના વિદ્યાર્થીઓ માટે online ક્લાસ નું આયોજન કરેલ. જેમાં વિદ્યાર્થીઓને PRACTICAL CHEMISTRY: Fundamentals & Basics class અંતર્ગત Organic Qualitative Analysis અંગેનો આ બેચ માં બીજો લેકચર લીધો.



4:48 4G LTE 39%

(10) Sodiumnitropruside ($\text{Na}_2[\text{Fe}(\text{CN})_5\text{NO}]$) Test

Presence of **Methyl Ketones** can be detected by this test



Dr. Chirag Fultariya (host)

Name of Faculty: Dr. Jalpa P. Harsora
Assistant Professor
Chemistry Department
Shree M. P. Shah Arts & Science College, Surendranagar

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4:47 VoLTE 4G 39%

1. Test with KMnO_4

Procedure

Add very dilute solution of KMnO_4 dropwise to the solution of substance in water/alcohol

KMnO_4 purple



Dr. Chirag Fultariya (host)

Observation

Purple colour of KMnO_4 disappears & formation of brown sludge of MnO_2

Purple colour of KMnO_4 remains

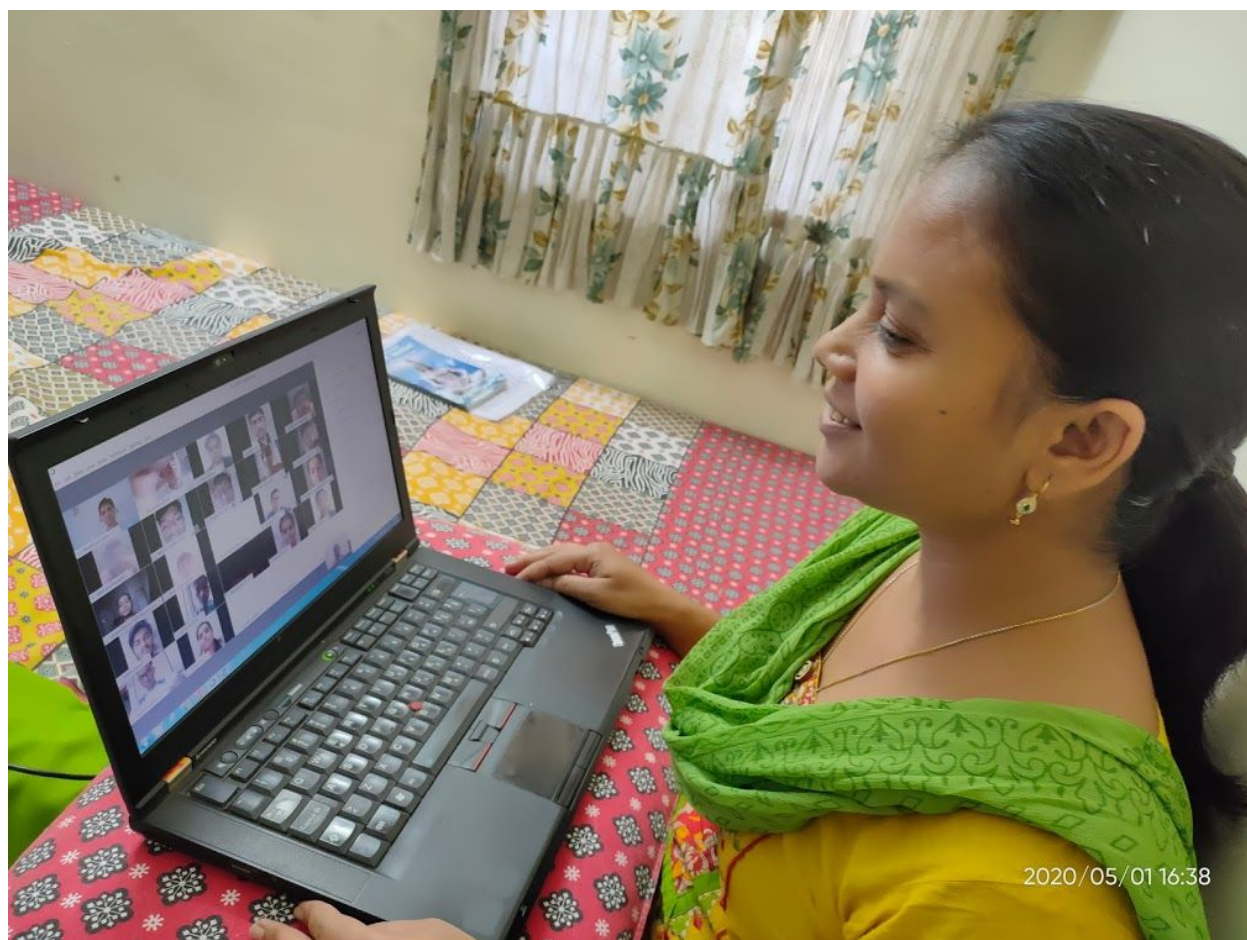
Unsaturated compound Addition reaction Saturated compound

Alkene

Colourless

No Reaction

$3(>\text{C}=\text{C}<) + 2\text{KMnO}_4 + 4\text{H}_2\text{O} \rightarrow 3 \begin{pmatrix} \text{C} & \text{C} \\ | & | \\ \text{OH} & \text{OH} \end{pmatrix} + 2\text{MnO}_2 + 2\text{KOH}$



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