|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sr.  No. | **Title of course with code** | **Topic** | **Sub topic/ Key Words** | **Link** |
| 5 | Organic Chemistry | Infrared (I.R)Spectroscopy | Introduction, Types of Region & Principle of I.R Spectroscopy | <https://classroom.google.com/c/MTM5MzI4OTYwMTM2/m/MzQ5NjI1NTIxNjI0/details> |
|  |  |  | 1)Types of Fundamental modes of vibrations:- 1)Stretching Vibrations 2)Bending Vibrations 2) How to calculate fundamental modes of vibrations in organic molecules | <https://classroom.google.com/c/MTM5MzI4OTYwMTM2/m/MzUyMzY5MTAzMTk5/details> |
|  |  |  | Factor's affecting I.R frequency 1) Inductive Effect | <https://classroom.google.com/c/MTM5MzI4OTYwMTM2/m/MzUyNDY3ODAzNjk0/details> |
|  |  |  | Factor's affecting I.R frequency 2) Resonance Effect | <https://classroom.google.com/c/MTM5MzI4OTYwMTM2/m/MzUyNDYwODk2MzYx/details> |
|  |  |  | Factor's affecting I.R frequency 3) Hydrogen Bonding | <https://classroom.google.com/c/MTM5MzI4OTYwMTM2/m/MzUyNDgyMzc0NDY4/details> |
|  |  |  | Factor's affecting I.R frequency 4) Steric Effect | <https://classroom.google.com/c/MTM5MzI4OTYwMTM2/m/MzUyNDgwNDM0Mzc0/details> |