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| **Sr. No.** | **Title of course with code** | **Topic** | **Sub topic/ Key Words** | **Link** |
| 1 | CHO: 351 Spectroscopic Methods in Organic Structure Determination | Chapter- 11H NMR Spectroscopy | Lecture No.- 1  Introduction, Chemical shift, TMS | <https://classroom.google.com/c/MTQwODM0MjMxNzAx/m/MTg1NTM1ODU3MTIx/details> |
|  |  |  | Lecture No. 2  Factors affecting on chemical shift value | <https://classroom.google.com/c/MTQwODM0MjMxNzAx/m/MjQzNjI1OTgxNjkx/details> |
|  |  |  | Lecture No.- 3  Number of NMR / PMR signals / Number of sets of proton | <https://classroom.google.com/c/MTQwODM0MjMxNzAx/m/MjQ0NTA2OTAyNTY2/details> |
|  |  |  | Lecture No.- 4  Calculation of site of unsaturations | <https://classroom.google.com/c/MTQwODM0MjMxNzAx/m/MjQ0NDg3ODc4OTAx/details> |
|  |  |  | Lecture No.- 5  Spin- spin splitting or multiplicity | <https://classroom.google.com/c/MTQwODM0MjMxNzAx/m/MjQ1MzA5OTczODU2/details> |
|  |  |  | Lecture No.- 6  Spin- spin Coupling or Coupling constant (J) Part- A | <https://classroom.google.com/c/MTQwODM0MjMxNzAx/m/MjE5NTMyODE0MDYz/details> |
|  |  |  | Lecture No.- 7  Spin- spin Coupling or Coupling constant (J) Part- B | <https://classroom.google.com/c/MTQwODM0MjMxNzAx/m/MjE5NTMyODk2Mjgy/details> |
|  |  |  | Lecture No.- 8  Spin- spin Coupling or Coupling constant (J) Part- C | <https://classroom.google.com/c/MTQwODM0MjMxNzAx/m/MjE5NTMzNzY4NjU4/details> |
|  |  |  | Lecture No.- 9  Spin- spin Coupling or Coupling constant (J) Part- D | <https://classroom.google.com/c/MTQwODM0MjMxNzAx/m/MjE5NTQ1NjUwMTYy/details> |
|  |  |  | Lecture No.- 10  Chemical & Magnetic equivalence | <https://classroom.google.com/c/MTQwODM0MjMxNzAx/m/MjE5Nzg1NTkxMDQ1/details> |
|  |  |  | Lecture No.- 11  Spin system Part- A | <https://classroom.google.com/c/MTQwODM0MjMxNzAx/m/MjE5NzgzNDMxNjM5/details> |
|  |  |  | Lecture No.- 12  Spin system Part- B | <https://classroom.google.com/c/MTQwODM0MjMxNzAx/m/MjE5Nzg2OTg2NzM4/details> |
|  |  |  | Lecture No.- 13  Spin system Part- C | <https://classroom.google.com/c/MTQwODM0MjMxNzAx/m/MjE5Nzg2NzM4OTQy/details> |
|  |  |  | Lecture No.- 14  Difference between 1st & 2nd order spectra | <https://classroom.google.com/c/MTQwODM0MjMxNzAx/m/MjE5Nzg5NDM4ODYx/details> |
|  |  |  | Lecture No.- 15  Chemical shift reagent / Contact shift reagent / Shift reagent | <https://classroom.google.com/c/MTQwODM0MjMxNzAx/m/MjE5Nzk0MzI5NjA0/details> |
|  |  |  | Lecture No.- 16  Nuclear Overhauser Effect (NOE/nOe) | <https://classroom.google.com/c/MTQwODM0MjMxNzAx/m/MjE5Nzk1Njk3MjUz/details> |
|  |  |  | Lecture No.- 17  Differentiate the pair of structure by NMR Spectroscopy | <https://classroom.google.com/c/MTQwODM0MjMxNzAx/m/MjQ4MTQ2MzU4Mjcx/details> |
|  |  |  | Lecture No.- 18  Problems based on UV, IR & NMR Spectroscopy | <https://classroom.google.com/c/MTQwODM0MjMxNzAx/m/MjQ4MTQ4MDMwNDQ3/details> |
|  |  |  | Lecture No.- 19  NMR Problems Part- 1 | <https://classroom.google.com/c/MTQwODM0MjMxNzAx/m/MjQ4MTQ0MTU5MjY1/details> |
|  |  |  | Lecture No.- 20  NMR Problems Part- 2 | <https://classroom.google.com/c/MTQwODM0MjMxNzAx/m/MjQ4NTQzNTE0ODMy/details> |
|  |  |  | Lecture No.- 21  NMR Problems Part- 3 | <https://classroom.google.com/c/MTQwODM0MjMxNzAx/m/MjQ4NTQwMDY3MjQ4/details> |
|  |  |  | Lecture No.- 22  NMR Problems Part- 4 | <https://classroom.google.com/c/MTQwODM0MjMxNzAx/m/MjQ4NTM4MjQxOTY4/details> |
|  |  |  | Lecture No.- 23  NMR Problems Part- 5 | <https://classroom.google.com/c/MTQwODM0MjMxNzAx/m/MjQ4NTQ1MTI1MzY2/details> |
|  |  |  | Lecture No.- 24  NMR Problems Part- 6 | <https://classroom.google.com/c/MTQwODM0MjMxNzAx/m/MjQ4NTQ0NjQ4NDMy/details> |
|  |  |  | Lecture No.- 25  NMR Problems Part- 7 | <https://classroom.google.com/c/MTQwODM0MjMxNzAx/m/MjQ4NjE1MTc2OTA5/details> |
|  |  |  | Lecture No.- 26  NMR Problems Part- 8 | <https://classroom.google.com/c/MTQwODM0MjMxNzAx/m/MjQ4NjIwMTI2NjI3/details> |
|  |  |  | Lecture No.- 27  NMR Problems Part- 9 | <https://classroom.google.com/c/MTQwODM0MjMxNzAx/m/MjQ4NjIxMzE0NTMz/details> |
|  |  |  | Lecture No.- 28  NMR Problems Part- 10 | <https://classroom.google.com/c/MTQwODM0MjMxNzAx/m/MjQ4NjIyNDU0NDUy/details> |
|  |  |  | Lecture No.- 29  NMR Problems Part- 11 | <https://classroom.google.com/c/MTQwODM0MjMxNzAx/m/MjQ4NjIxMTUxMjA0/details> |
|  |  |  | Lecture No.- 30  NMR Problems Part- 12 | <https://classroom.google.com/c/MTQwODM0MjMxNzAx/m/MjQ4NjIxMDI5ODMx/details> |