



**DHARAMPETH M. P. DEO MEMORIAL SCIENCE COLLEGE,  
NAGPUR**

## **B.Sc. (CHEMISTRY) Semester II**

### **Paper II Physical Chemistry**

**(Thermodynamics, Phase Equilibria and Solutions of Liquids in Liquids,  
Chemical Kinetics and Theories of Reaction Rates, Nuclear Chemistry and  
Pollution and its Control)**

#### **Unit I**

**Thermodynamics**

<https://youtu.be/3ksUl-QGIDI?si=JYfmUo5YYDKFm0Bx>

#### **Unit II**

**Phase Equilibria and Solutions of Liquids in Liquids**

[https://youtu.be/r815L8m7BIc?si=ALWA\\_bE6hdkg4NfK](https://youtu.be/r815L8m7BIc?si=ALWA_bE6hdkg4NfK)

#### **Unit III**

**Chemical Kinetics and Theories of Reaction Rates**

<https://youtu.be/2CBazIZDgT4?si=QT4xjxbaCqUnI8BG>

#### **Unit IV**

**Nuclear Chemistry and Pollution and its Control**

<https://youtu.be/c35aY-ao65E?si=7FvCCjzXMQ11fN9G>