

Shri Shivaji Science College, Amravati

E – Contents for Under Graduate Students

Department of Chemistry (2020-2021)

B. Sc. Part – II (Semester – III) W-2020

Unit 5- Thermodynamics and Phase Equilibria

Online Platform :- (Google classroom)

B.Sc.IISec.A Class Code : xwljtlm

B.Sc.IISec.B Class Code : 3n5xksc

Topic	Links	Teacher
		Dr. V.B. Khobragade
Syllabus Basic of Thermodynamics	https://drive.google.com/file/d/1YZ2HldRDCw2yTYusqHxgfzSqGF4jQEFM/view?usp=drivesdk https://drive.google.com/file/d/1DBkVSm0CFXG6AoTdUu9gRzUS2U_r1Fx7/view?usp=drivesdk	
Gibbs Free Energy	https://drive.google.com/file/d/11w4xKsWVoVsPp1sqrH7td9nf7TxAknTz/view?usp=drivesdk	

Helmholtz work Function	https://drive.google.com/file/d/1hiTI8BqNUZQbffi6APdXyVgilpF2Rj1J/view?usp=drivesdk	
Gibbs Helmholtz Eq.	https://drive.google.com/file/d/1IQ2o26faQOD08Ut505x2G0RFdSLpAcwv/view?usp=drivesdk	
Chemical Potential	https://drive.google.com/file/d/1PrIAIBreZsqIA-XtwXECBa_gNYIc7TXA/view?usp=drivesdk	
Gibbs Duhem Eq.	https://drive.google.com/file/d/1BaD0guPxBmvHpGWX4guZedYnYo-CPnfU/view?usp=drivesdk	
Vant Hoff Reaction Isotherm	https://youtu.be/727QrMo9xu4 https://drive.google.com/file/d/1nr1ZWi7LI-0dg8kiMNHZQHs52IIBxNSr/view?usp=sharing	
Nernst distribution law	https://drive.google.com/file/d/1z-xSYRtmLWXvLN4Rm__maqiZoQKvRZu5/view?usp=drivesdk	
Degree of Association	https://drive.google.com/file/d/1Bs0zue-uU3XeBaF8ODd55fmuSC4dZvDD/view?usp=drivesdk	
Degree of Dissociation	https://drive.google.com/file/d/1uBus_EHHJlqUmypwOG2fvKGtI9A8Btbz/view?usp=drivesdk	
Extraction processes	https://drive.google.com/file/d/1DSIlhwIO-z4UkxiCvu1GrnXFH_5VOewK/view?usp=drivesdk	
Phase transition	https://drive.google.com/file/d/1FUOu7n9DvxHCgrQuIFaBq2bzdrwsrwHr/view?usp=drivesdk	
Numericals	https://drive.google.com/file/d/1F267xZqHGXiJzZVHnHjjE_KCIRcOsri/view?usp=drivesdk	

Study material – Thermody.	https://drive.google.com/file/d/1sclvEfsRedULBj77zrG4NEABO2_ancZx/view?usp=drivesdk https://drive.google.com/file/d/1r5uplxwHzBdYOTLeIUaam-BkLsUjYcul/view?usp=drivesdk	
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	https://drive.google.com/file/d/1gJwvsvpiOvvbwtRRPB5C6j7bBb0AWrsk/view?usp=drivesdk https://drive.google.com/file/d/1826qDOshQ0sh9231pKakcfKj85UzuBdH/view?usp=drivesdk	
Study material – Gibbs Free Energy and Chemical potential	https://drive.google.com/file/d/1Z3PFtHd4HLPzL4qFb_fwzcJ8a2DOHk-G/view?usp=drivesdk	
Study material- Gibbs Duhem Eq.	https://drive.google.com/file/d/1eLwR1hfocGARR8sHcaqrgVx9bTCXH8Ju/view?usp=drivesdk https://youtu.be/JOpHCOW6K2Q	
Study material	https://youtu.be/727QrMo9xu4	

B. Sc. Part – II (Semester –IV) S - 2021

Online Platform :- (Google classroom)		B.Sc.IISec.A Class Code : xwljtlm	B.Sc.IISec.B Class Code : 3n5xksc
Topics	Links		Teacher
Unit V Colligative Properties of Dilute Solution			Dr. Vandana B. Khobragade
Lect - 1	https://drive.google.com/file/d/1jYjIjHX2uknEUMXEq4jSnJpd4IIafwwe/view?usp=sharing		
Lect - 2	https://drive.google.com/file/d/1zfpdxzrtSW6Vexb-VReMKt-GkAQ08Vwe/view?usp=sharing		
Lect - 3	https://drive.google.com/file/d/1AcS3yBOQ19UjGzFgW173sbd9XeoyHzDZ/view?usp=sharing		
Lect - 4	https://drive.google.com/file/d/1rpCo8vmY3DjhLiNquSjGnaH3LQvjZxFG/view?usp=sharing		
Lect - 5	https://drive.google.com/file/d/1ZRHDWUGpUabJT9tcDdEXECr64HacsDSP/view?usp=sharing		
Study material	https://docs.google.com/document/d/1S8ExkNTjO6l6z31ejQBV2cc5CgYWPpik/edit?usp=sharing&oid=114358770676067412163&rtpof=true&sd=true		
Physical Practical Demonstration			
1.Spectrophotometric detof Cu (II)ion	https://drive.google.com/file/d/1IPtnmfVs2uvO44EHZjynuYDetGXvesJY/view?usp=sharing		

Shri Shivaji Science College, Amravati

E – Contents for Under Graduate/Post graduate Students

Department of Chemistry

2020-2021

Online Value Based Course for UG/PG Students

Online Platform:- Google Classroom		
Topic	Links	Teacher
	Chemical Handling & laboratory Safty(CHLS)	Dr. Vandana Khobragade
1.Evatuation harmful gases during organic synthesis	https://drive.google.com/file/d/1kTI_X-EbXzt_piUM0g9bmopJiP-EUYFP/view?usp=sharing	31/08/2021
2.Separation and Exaction Process	https://drive.google.com/file/d/15ppuv9tDY33ITiRphOJLbYQaewTCHuoO/view?usp=sharing	4/09/2021