

<https://www.youtube.com/watch?v=okL5HINg9uk>
<https://www.youtube.com/watch?v=S6lAbRDBupU>
<https://www.youtube.com/watch?v=33vvMmaXFcA>
https://www.youtube.com/watch?v=wCOXQjOxX_4
<https://www.youtube.com/watch?v=D1GvV-0fxlc>



watch.htm































Water and the
Dustbin
Remember of the India
Live in the World &
Humble
(The Government & the
Your Own Work)











































Faculty Development Program
on
Research Methodology and Green Economy
Date - 4th-6th July, 2018
Organized by

The ICFAI University, Tripura
Faculty of Management Studies
Venue - University Campus, Agartala-Sirma Road, Mohanpur





Don't Forget
Save Electricity... use
Water And Use
Disinfectant.
Festive of Our India
Lies in Our Minds &
Hands.
(Be Sensitive & Play
Your Own Role)











Date
02-05-2018















EE201T/

EE201T - CT001 A

EE204 - C - 141 B

EE222T - A

EE412 - B













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Course: Chemistry

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Swarnali Nath Choudhury

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181CH111A

Participants

Badges

Competencies

Grades

Course Introduction

Gaseous State

Real gases

Thermodynamics-First Law Work and Heat, Internal Energy and Enthalpy

Thermo chemistry, Enthalpy changes accompanying Physical Change and Chemical Change.

Thermodynamics - Second Law Entropy and the 2nd Law, Absolute Entropies and 3rd Law, The Gibb's Energy.

Phase equilibria: Pure substance. The thermodynamics of transition, Phase diagrams, Phase

Course Introduction

Chemistry

CHEMISTRY

- Blended
- 70% (in class room) + 30% (online)

▶

This first level course is offered in the first semester for the students of all branches of engineering. It provides a comprehensive survey of underlying physical principles that govern the properties and behaviour of chemical systems. It provides a comprehensive knowledge on coordination compound which plays an important role in industries. It also gives a brief concept on reaction mechanisms and stereochemistry. Hence it gives the ability to understand the cost deciding factors in an industry.

Learning Outcomes - After completing the course, you should be able to :-

- Explain the properties of gases and to study the various gas laws.
- Describe the transformation of energy from heat into work and vice versa.
- Analysis the role of enthalpy in chemistry.
- Explain the basic nature of corrosion, its processes, impact, prevention and control.
- Evaluate the importance of Lubricants in Machines, characterisation and properties.

Evaluation Scheme:

Component	Duration	Weightage(%)
Internal I/Assignments/Viva		10

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10:22

03-07-2018

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R6 Huheey, Keiter & Keiter, Inorganic Chemistry, Pearson Education, 2003.

Faculty:

[Dr. Swarnali Nath Choudhury](#)

swarnali.nath@iutripura.edu.in

9436932233 (10:00 am to 5:00 pm)

Announcements

Course announcement

Self Introduction Forum

Learning support forum

Case Analysis (Q and A forum)

Attendance

Announcements

Rescheduling of class for 21/06/2018

Gaseous State

Learning Outcome:- After completing the topic, you should be able to :-

- explain the properties of gases and to study the various gas laws.

Gaseous State

Gaseous State

Gas Laws

Laws followed by Gasses

Q bank on corrosion

Gas

GS Laws

10:24
03-07-2018

Inbox (387) - swarnali.na Multiple Choice Question x

Secure https://iutripura.gnomio.com/pluginfile.php/1429/mod_resource/content/1/questionbank%20on%20corrosion%20and%20lubricants..pdf

Multiple Choice Question Bank of Engineering Chemistry & Environmental Science

Subject: - Engineering Chemistry and Environmental Science
Section: - B
CORROSION AND LUBRICANTS

1. Volatile oxidation corrosion product of a metal is,
A. Fe_2O_3
B. MoO_3
C. Fe_3O_4
D. FeO
2. Lower is pH , corrosion is,
A. Greater
B. Lower
C. Constant
D. None of above
3. Electrochemical corrosion takes place on,
A. Anodic area
B. Cathodic area
C. Near cathode
D. Near anode
4. Chemical formula of Rust is,
A. Fe_2O_3
B. FeO
C. Fe_3O_4
D. $\text{Fe}_2\text{O}_3 \cdot x\text{H}_2\text{O}$
5. Which of following metals could provide cathodic protection to Fe?
A. Al & Cu
B. Al & Zn
C. Zn & Cu
D. Al & Ni
6. Smaller the grain size, corrosion is,
A. Greater
B. Lower
C. Constant
D. Doesn't affected
7. Process of corrosion enhanced by,
A. AIR & Moisture

10:28
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Inbox (387) - swarnali.na181CH111A: MCQ GASEC

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MCQ GASEOUS STATE

- ATTEMPT ALL THE QUESTION
- NO NEGATIVE MARKING
- QUIZ IS OPEN FOR ONE HOUR ONLY...


Attempts allowed: 1

This quiz opened at Wednesday, 30 May 2018, 12:40 PM

Time limit: 5 mins

[Preview quiz now](#)

[◀ Video on Boyle's law](#) [Essay Question ▶](#)



10:29
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Inbox (387) - swarnali.nat x181CH111A: Essay Questi x

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Essay Question

- No negative marking.
- Attempt all
- Answer to 3 to 4 lines

Attempts allowed: 1

This quiz opened at Wednesday, 30 May 2018, 2:42 PM

Time limit: 15 mins

◀ MCQ GASEOUS STATE

C1 ▶

10:31
03-07-2018

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Question 1

Not yet answered

Marked out of 2

Flag question

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A perfect gas at 27°C is heated at constant pressure till its volume is double. What is its final temperature?

QUIZ NAVIGATION

1 2 3 4 5

Finish attempt ...

Time left 0:14:51

[Start a new preview](#)

◀ MCQ GASEOUS STATE

Jump to...

[Next page](#)

C1 ▶

 [Moodle Docs for this page](#)