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Question Paper Code : 41515

B.E./B.Tech. DEGREE EXAMINATIONS, JANUARY 2022.

First Semester

Civil Engineering

CY 3151 — ENGINEERING CHEMISTRY

(Common to All Branches (Except Marine Engineering))

(Regulations 2021)

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Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Why do we express hardness of water in terms of calcium carbonate equivalent?
2. What is brackish water?
3. Define nanomaterials.
4. What are nanoclusters?
5. What is reduced phase rule?
6. Give two examples of hybrid composites.
7. What is meant by cetane number?
8. How do you control carbon foot print (any two)?
9. State critical mass.
10. Write any two uses of a lithium ion battery.

PART B — (5 × 16 = 80 marks)

11. (a) (i) What are the water quality parameters? Explain their significance. (8)
(ii) Write a note on break point chlorination. (8)

Or

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Anna University Question Papers For Engineering Chemistry

Lei Huang



Anna University Question Papers For Engineering Chemistry:

Engineering Chemistry-I (For 1st Semester of Anna University) Arun Luiz T., Engineering Chemistry I

Engineering Chemistry-I (For 2nd Semester of Anna University) Arun Luiz T., Dr Arun Luiz T is currently working as Assistant Professor at SSN College of Engineering Kalavakkam He completed his Master in science from St Mary s College University of Calicut Sulthan Bathery Kerala in 2002 He Stood First in his College for B sc and M sc Chemistry He received his Ph D in Inorganic Chemistry from IIT Madras in the year 2010 His research interest includes phosphorus based ligands in synthetic inorganic chemistry and organometallic chemistry He has Published four research papers in reputed national and international journals He has more than four years of teaching experience in various engineering colleges *Environmental Science and Engineering (For Anna University)* Luiz, Arun T., Environmental Science Engineering **Industrial &**

Engineering Chemistry ,1923 *Industrial and Engineering Chemistry* ,1924 The Journal of Industrial and Engineering Chemistry ,1922 Indian National Bibliography ,2016-04 Journal of Industrial and Engineering Chemistry ,1922 *The Michigan Technic* ,1948 The Michigan Argonaut ,1888

This book delves into Anna University Question Papers For Engineering Chemistry. Anna University Question Papers For Engineering Chemistry is an essential topic that must be grasped by everyone, ranging from students and scholars to the general public. The book will furnish comprehensive and in-depth insights into Anna University Question Papers For Engineering Chemistry, encompassing both the fundamentals and more intricate discussions.

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 - Chapter 1: Introduction to Anna University Question Papers For Engineering Chemistry
 - Chapter 2: Essential Elements of Anna University Question Papers For Engineering Chemistry
 - Chapter 3: Anna University Question Papers For Engineering Chemistry in Everyday Life
 - Chapter 4: Anna University Question Papers For Engineering Chemistry in Specific Contexts
 - Chapter 5: Conclusion
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- The book is crafted in an easy-to-understand language and is complemented by engaging illustrations. This book is highly recommended for anyone seeking to gain a comprehensive understanding of Anna University Question Papers For Engineering Chemistry.

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