

# 2<sup>ND</sup> YEAR CHEMISTRY GUESS PAPER 1 FOR IPE 2009

We are guessing these questions. But please completely don't depend upon these. Read as many as you can. All the best.

## Very Short Answer Questions

1. What are analgesics? Give two examples.
2. What is vulcanization of rubber?
3. Define antibiotics give examples?
4. Give the deficiency of A, B, C, D, E and K?
5. Mention the structure and names of the following
  1. Bukelite
  2. Neoprene
6. Explain a) William son synthesis. B) Wurtz Reaction?
7. What is reamer – tieman reaction? Give the structure of the product formed in this reaction
8. State 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> law of thermodynamics.
9. Define Flux.
10. Define Gibbs energy and absolute entropy?

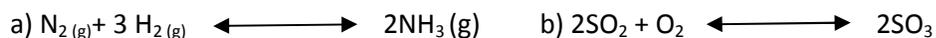
## Short Answer Questions

1. Describe an industrial method for the preparation of superphosphate of lime. Why it is converted into triple phosphate of lime?
2. Define buffer? Explain the working of acidic buffer
3. Write any four differences between physical and chemical adsorption
4. What are fuel cells? Explain with one example.
5. What are essential and non essential amino acids? Give examples
6. Explain Werner's theory of complex compounds
7. Write a short note on 1. Schottky defect, 2. Frenkel defect
8. State and explain Roul't's law.

## Long Answer Questions

1. How is ozone prepared in laboratory? Give two oxidizing two reducing properties

2. Explain lechatlier's principle and apply the equilibrium of



3. How is benzene converted into nitro benzene?

Explain the reduction of nitrobenzene in different media with different reagents

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