

VIVEKANANDA COLLEGE  
INTERNAL ASSESSMENT  
SEMESTER- 2  
SUBJECT- CHEMISTRY  
QUESTION TYPE- ASSIGNMENT

Each question carries 10 marks each , students can answer three questions on a maximum and a choice is given on each question.

Maximum marks- 30

1. Write a brief note on the electrophilic substitution (ArSE2) reactions of benzene.

OR

Entropy of the universe tends towards the maximum. Explain.

2. Give few methods for the preparation of alcohol. Highlight grignard reagent as the starting reagent for preparation of various alcohols.

OR

What is a buffer solution? Explain the mechanism of its action. Derive an expression for the buffering capacity.

3. Point the differences between the Oppeneaur oxidation and Meerwein Pondorf verley reactions.

OR

Explain the factors affecting the degree of ionization . State the Ostwald dilution law.