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Paper Code :DSC-205

Roll No.

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B.Sc.(ZBC)-12, B.Sc.(PCM)-13
2nd Year Examination, Calendar Batch 2016
Physical Chemistry

Time : 3 Hours]

[Max. Marks : 100

*Note. Attempt any **Five** questions. All questions carry equal marks.*

- Q.1** Drive Gibbs-Helmholtz equation?
- Q.2** Discuss the structure of sodium chloride crystal.
- Q.3** Explain why salts of strong acids and strong base not hydrolyse?
- Q.4** What are catalytic promoters and catalytic poisons?
- Q.5** Describe the limitations of the equation $PV=RT$.
- Q.6** Describe the main differences between molecularity and order of reaction.
- Q.7** Write in a zero order reaction? Derive the rate expression for it and mention its characteristics.
- Q.8** Describe the methods for the preparation of colloidal solutions.

सा विद्या या विमुक्तये

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